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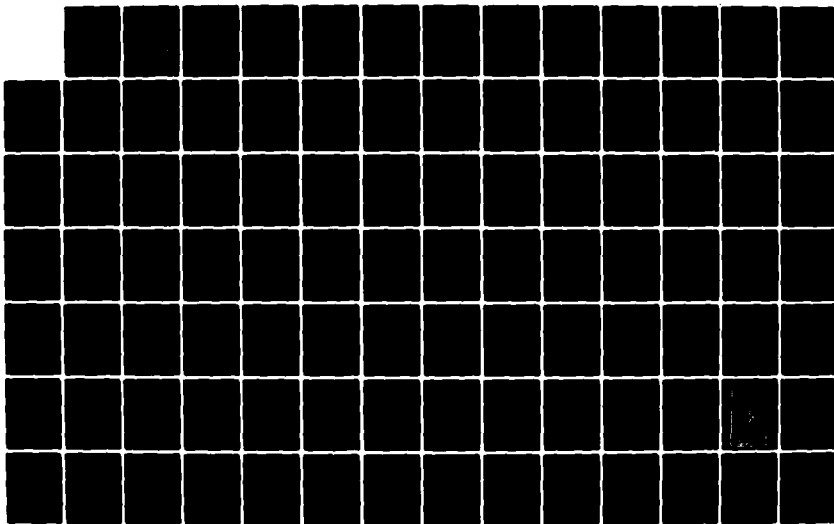
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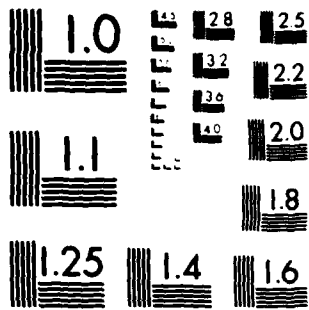
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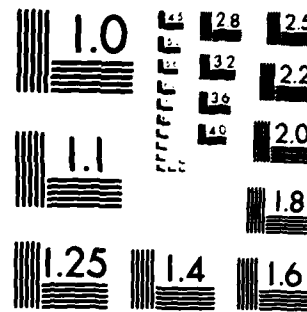
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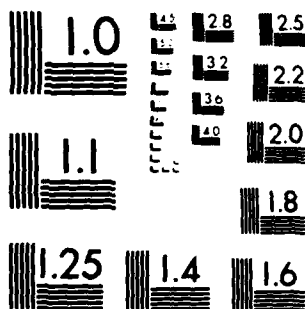




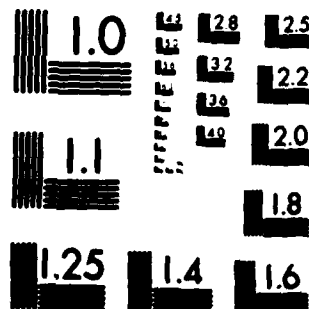
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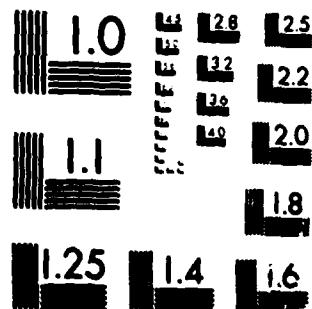
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JOB LANGUAGE PERFORMANCE REQUIREMENTS

FOR 51C

MAS
STRUCTURES SPECIALIST

REFERENCE SOLDIER'S MANUAL DATED

12 April 1979

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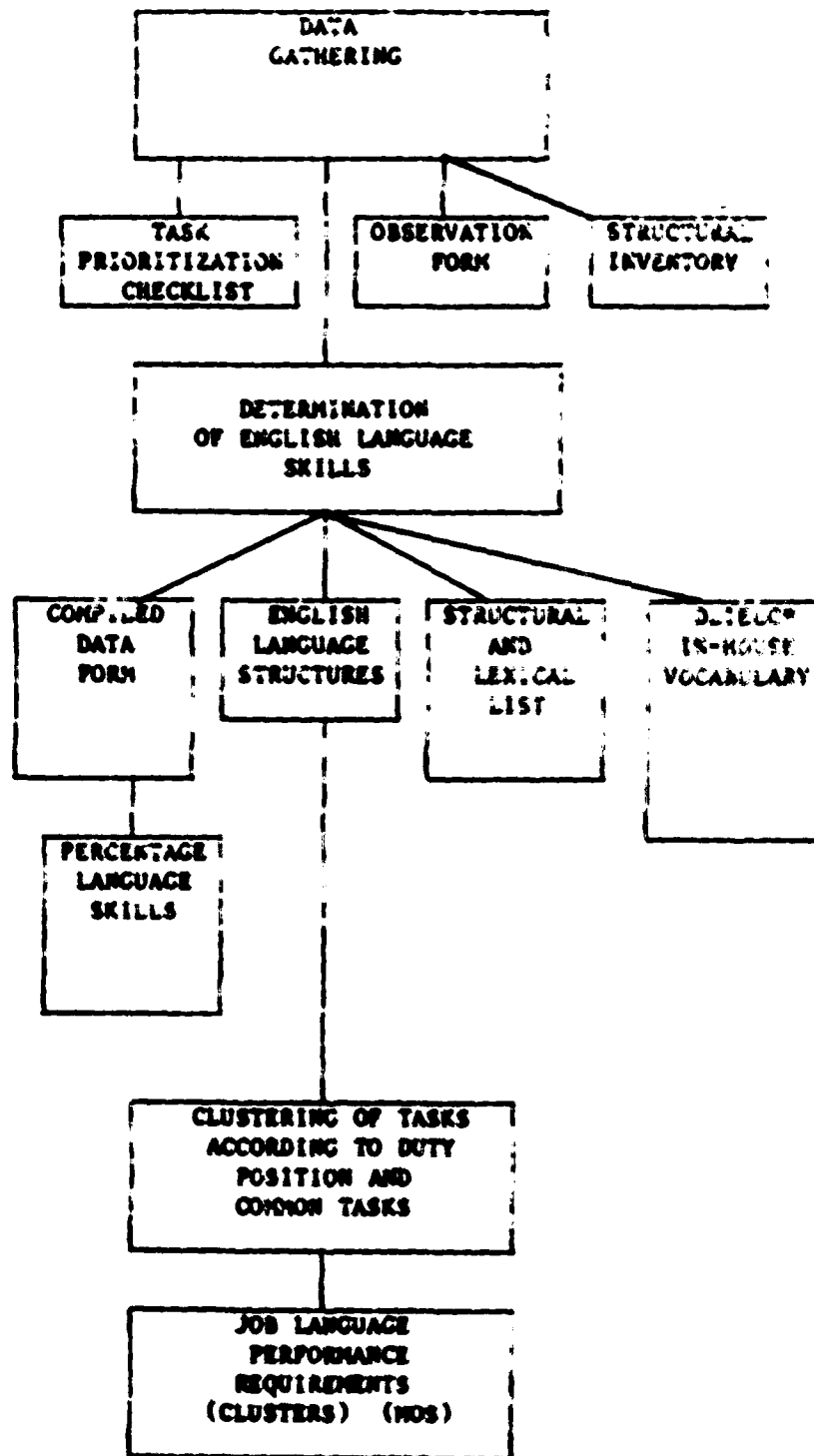


FIGURE 1

*Defense Language Institute English Language Center

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PREFACE

INSTRUCTIONS FOR REVIEW OF JOB LANGUAGE PERFORMANCE REQUIREMENTS

This report is organized in six main sections. Sections I-IV discuss methods, forms and rationale for gathering, organizing and analyzing research data used to develop Job Language Performance Requirements (JLPRs). Please look through these sections to get a general understanding of the procedures underlying the JLPR. Sections V and VI are the major substantive portions of the analysis. They are the results of the analysis and constitute the basis for development of any MOS-oriented English language materials. Section V contains the JLPR by cluster/topic, while Section VI contains the JLPR covering the entire range of clusters/topics.

The appendices, one through eight, contain all the information used to determine the Job Language Performance Requirements. Please write any suggestions or changes directly on the document or attach additional notes, if necessary.

The points covered in the six major sections are supported in greater detail in eight appendices. Below is an overview of these appendices.

Appendix one contains the Task Prioritization Checklist. It was taken to the field to collect the raw data. This form was approved for use by the Department of the Army.

Appendix two contains the Task Inventory Compiled Data Form. It was used to organize data from Unit and AIT respondents.

Appendix three defines the language skills by percentage. This form includes computations of language skills for each task cluster.

Appendix four contains the Observation Form used in the recording of types of listening and speaking skills required, as seen by observers, at the learning and performing of a task. The variety of environmental situations is also included on this form.

Appendix five contains the final list of structural and lexical items found through data gathering and organization.

Appendix six contains the DLIELC in-house vocabulary list. This is a task by task listing of the vocabulary extracted from the Soldier's Manual.

Appendix seven contains the machine-generated vocabulary for this MDS prepared by the United States Army Training and Doctrine Command (TRADOC), Fort Monroe, Virginia.

Appendix eight contains the list of structural and lexical items requisite to this MDS.

Thank you for your cooperation. It is greatly appreciated.

SECTION 1: DATA GATHERING

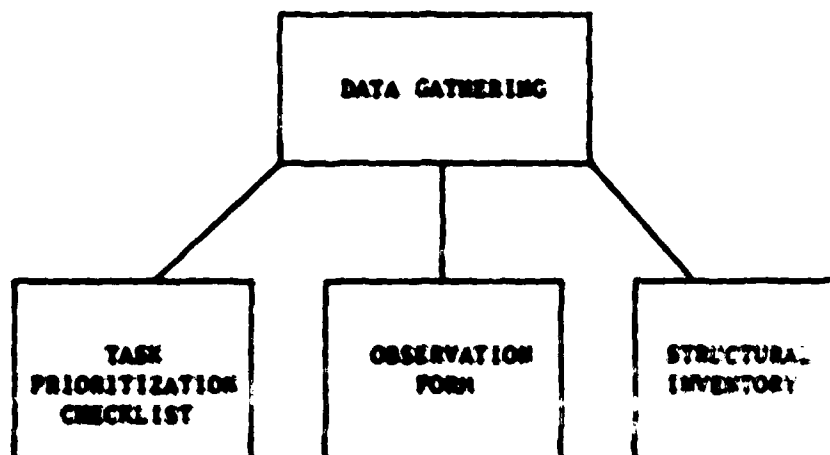


FIGURE 2

In order to establish Job Language Performance Requirements for this MOS the curriculum development specialists at the Defense Language Institute English Language Center (DLIELC) analyzed the current learning and working situations, and individual tasks. The goal was to collect data which would help identify the Job Language Performance Requirements pertinent to this MOS.

To conduct this analysis, training specialists visited the A11 School and Unit cadre. Interviews were conducted using a Task Prioritization Checklist (Appendix 1). For each task, first-line supervisors answered the following questions:

1. Is the task taught?
2. How is the task taught?
3. Is the task tested?
4. How is the task tested?
5. How important are speaking, listening, reading and writing in learning and performing the task?
6. What are the results of poor performance in performing the task?

Additional data were gathered through use of an Observation Form and an analysis of language structures in the Soldier's Manual for this MOS.

The Observation Form (Appendix 4) was used to record actual observations of the learning situations, populations, tasks, and language.

The lexical and structural analysis was done by a panel of language specialists who first listed all structures found in the Soldier's Manual for this MOS and then all structures, standard and non-standard, noted on the Observation Forms for all vocabulary from the Soldier's Manual. All lists were then combined into an overall lexical and structural inventory.

SUMMARY/CONCLUSION:

The tools for data gathering were:

1. The Task Prioritization Checklist (Appendix 1)
2. The Task Inventory Compiled Data Form (Appendix 2)
3. The Observation Form (Appendix 4)
4. A Structural and Lexical Inventory (consisting of rough drafts of all vocabulary and structures in this IDS).

These tools were used to form the data pool from which the Job Language Requirements were determined.

SECTION II

DETERMINATION OF ENGLISH LANGUAGE SKILLS

INTRODUCTION

This section discusses the organization of the raw data into information used to determine the English language skills pertinent to this NDS.

SECTION II: DETERMINATION OF ENGLISH LANGUAGE SKILLS

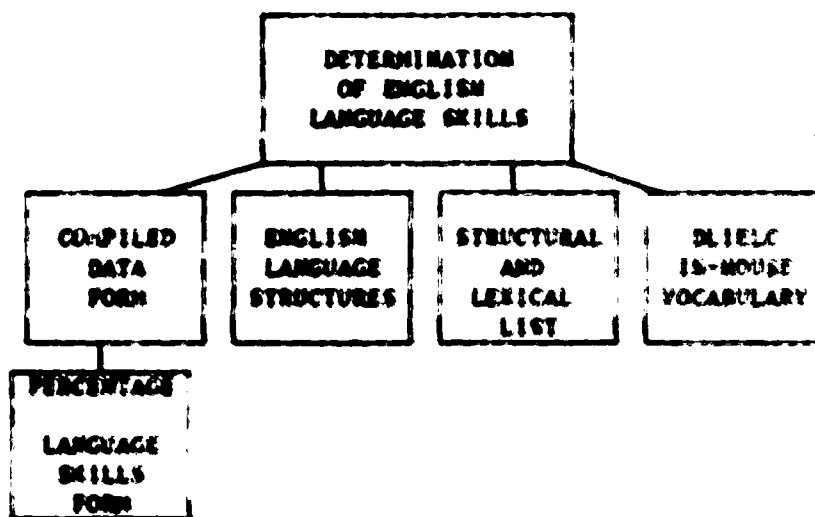


FIGURE 1

The raw data collected as described in Section II above was used to determine the English Language skills which the soldier must learn to learn and perform the task. The Compiled Data Form, Appendix 2, was used to organize the observation and analysis data. Selected information from the Task Prioritization Checklist was recorded directly on this form. Specifically three variables were used to determine the language skills involved. They were:

1. Methods of teaching
2. Methods of testing
3. The actual respondents' ratings of the four English language skills

From each of the three variables the following skills were determined:

VARIABLE	ENGLISH LANGUAGE SKILLS
Methods of Teaching demonstration lecture hands on self-paced	listening, listening, writing listening reading, writing

Methods of Testing performance oral written	listening speaking writing, reading
Rating of English Language Skills listening speaking reading writing	*a response of 2 or 3 on a scale of 1 to 3 was tallied a response of 1, 2, or 3 on a scale of 1 to 5 was tallied

*See A1

In order to determine the relations of the various skills in the MDS, data from the three variables were tallied on the Percentage Language Skills Form. An average was then found using the following formula:

$$TR = T \times V \times R = \% \text{ of use}$$

T = total number of tasks per cluster

V = language skill variable per cluster**

R = maximum number of respondents in any task in that cluster

TR = total tally of responses per task per skill

% of use = use of the language skill in the task

Percentages found in this MDS were:

Listening	53%
Speaking	35%
Reading	28%
Writing	28%

As shown by the figures, listening is the most important skill in this MDS. However, in particular duty sections, percentages varied. Appendix J, the Percentage Language Skills Form, shows the actual skill percentages in each duty position.

**See A1

Organization of structural and lexical items was done by comparing a structural and lexical list extracted from the Soldier's Manual with a structural inventory list extracted from ALC (American Language Center) materials through Volume 2400, at the end of which a trainee is normally qualified for Specialized English Technical Terminology training. By comparing the lists redundancies were eliminated, leaving the final list of structural and lexical items indicated by grammatical title in Appendix 5.

SUMMARY/CONCLUSION:

Organization of the data included the recording of responses on the Task Inventory Compiled Data Form, use of the Percentage Language Skills Form, and the SLIELC in-house structural analysis list. Skills were analyzed by duty section. The actual lexical items in this NDS were grouped and listed task by task. This information was then used to determine the specific Job Language Performance Requirements.

SECTION III

CLUSTERING OF COMMON AND DUTY POSITION TASKS

INTRODUCTION

Due to the overlapping of certain elements among the various MOS, tasks were clustered in order to prevent duplication of effort for each MOS.

This section contains a listing of the clusters for this MOS.

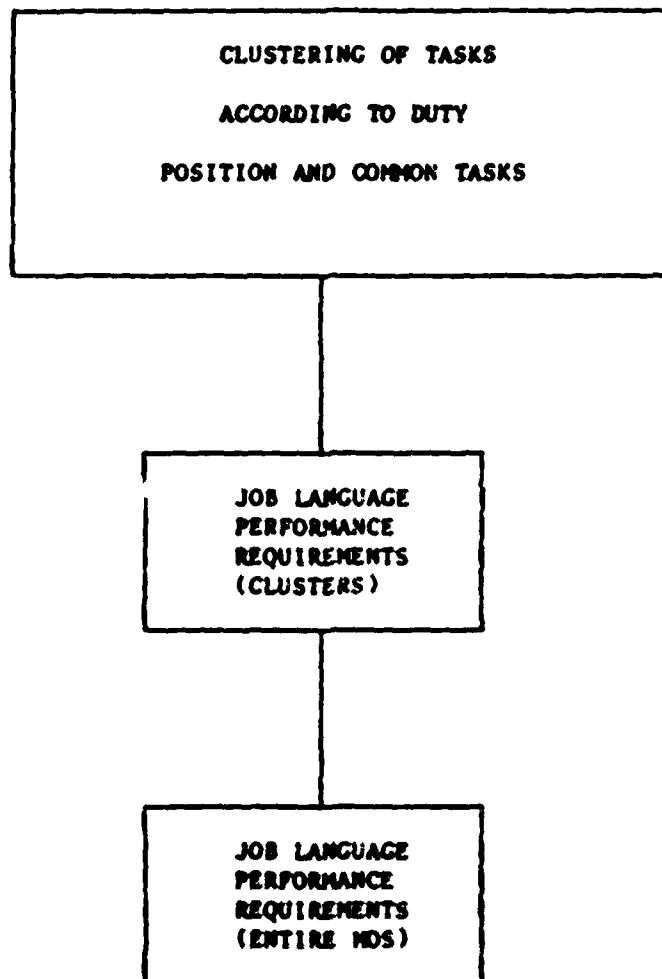


FIGURE 4

SECTION 111: CLUSTERING OF COMMON AND DUTY POSITION TASKS

Clustering was done by using the common and duty position tasks in the Soldier's Manual.

The following clusters are in this MOS:

1. FIRST AID
2. NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS
3. INDIVIDUAL FITNESS
4. BASIC INDIVIDUAL TECHNIQUES
5. CAMOUFLAGE
6. SECURITY AND INTELLIGENCE
7. COMMUNICATIONS
8. LAND NAVIGATION
9. M16A1 RIFLE
10. LIGHT ANTITANK WEAPON (LAW)
11. GRENADES
12. MINES
13. WHEELED VEHICLE OPERATIONS
14. DEMOLITIONS
15. LEADERSHIP
16. CALIBER .50 MACHINEGUN CREWMAN
17. M60 MACHINEGUN
18. FIELD FORTIFICATIONS
19. RIGGING
20. TECHNICAL TASKS

SECTION IV

JOB LANGUAGE PERFORMANCE REQUIREMENTS

INTRODUCTION

This section discusses the format for the Job Language Performance Requirements.

SECTION IV: JOB LANGUAGE PERFORMANCE REQUIREMENTS

The format for the Job Language Performance Requirements is:

TASK:
CONDITION:
STANDARD:

A. TASK

The Job Language Performance Requirements state the language tasks the soldier must do in studying/performing specific MOS job tasks. A task addressing language would be one of reading, listening, speaking or writing. Job tasks, as seen in the Soldier's Manual, are those which pertain to the soldier's duties. To write these as language tasks required the following explanations of what the soldier would speak, read, listen and write. Below are the kinds of explanations that had to be made in this MOS.

SPEAKING

Produces oral utterances to report/inform/explain/elicit response/respond.

Analysis of this MOS indicates verbal reports entailing those activities directly related to the soldier's job tasks.

The speaking act to respond or elicit response in this MOS is an oral response to a command or visual signal.

Speaking to explain involves situations of instruction in any training situation.

Speaking to inform involves producing oral utterances to communicate necessary information.

READING

Read for information/to learn.

Printed and written materials are used throughout this MOS. The soldier is expected to read technical manuals, fields manuals, soldier's manuals, written communication and audio-visual aids. Content of these materials is presented in formats and styles ranging from simple factual words or sentences to complex passages containing highly technical vocabulary, often with ellipsis. The purpose is to teach the student, so the student reads them to learn. Reading to learn involves reading names, attributes, information, procedures, explanations of how systems work, concepts, vocabulary terms, and definitions which are committed to short or long term memory for immediate or later recognition.

Basically, the soldier will use these reading materials to supplement what is stated in a lecture by integrating the information from the different texts or written communications into his understanding of the previous lecture.

The soldier must develop the ability to understand the words in context, to read in thought units, and then select and understand the main-ideas. The soldier must retain, apply, and integrate these ideas with past experience to use in his MOS.

Reading to learn, then, is a synthesis. What is read is to be retained in memory for integration in new experiences.

Reading for information, on the other hand, is quite different. The read material is to be retained only in short term memory, used for a specific purpose (i.e., look up a metric equivalent of 37 pounds) and then forgotten.

LISTENING

Listen to oral information to learn/to report.

In this MOS, lecture is a main method of instruction. The lecture is often supplemented by a demonstration. The soldier listens to the lecture to learn data pertinent to the task. Analysis of lecture presentations indicated many language variables. The soldier hears sub-standard accents, various registers of style and formality, colloquialisms, even profanity, in situations ranging from a barracks to a field. The soldier must differentiate between the types of language functions. Is it expression, exchange, description, explanation, argumentation, persuasion, statement, request, or order? The oral information may be directly from the speaker and/or indirectly such as over the telephone, radio, TV, or tape. The soldier must organize and gain meaning from what is heard. Out of all these variables, the soldier must identify or infer the main ideas or major points.

Analysis of this MOS did not and could not specify all types of spontaneous language the soldier would be exposed to. The FOI, though, does show the general form of the constrained oral language the soldier must listen to in order to learn the task.

B. CONDITIONS

The condition is what the soldier will be given in order to do the task. For the MOS job, the soldier is given paper, pencil, and printed materials. For language purposes, he will be given certain structural and lexical features as found through the data gathering and organizing from interviews and observations. Again, for the job that the soldier will be given, the material may be under normal working conditions, though other conditions may be added such as with or without protective gear or in darkness.

The soldier will read lists, tables, procedures, checklists or signs, and will hear scenarios, lectures, explanations, and commands. Therefore, these are listed with the Job Language Performance Requirements as possible conditions.

C. STANDARDS

The standard for our purpose is 100%. A standard for understanding or speaking cannot be tested as saying the soldier will disassemble a .45 caliber pistol in eight minutes. Because of this, 100% understandable speech or 100% legibility is used as a reference.

SUMMARY/CONCLUSION:

The Job Language Performance Requirements including tasks, conditions, and standards, were first written for each task cluster. The clusters were then combined into the Job Language Performance Requirements for the entire MOS.

SECTION I

JOB LANGUAGE PERFORMANCE REQUIREMENTS (CLUSTERED)

INTRODUCTION

Sections I, II, III, and IV described how Job Language Performance Requirements were identified and constructed.

This section contains the Job Language Performance Requirements for each task cluster pertinent to this NOK.

FIRST AID

I. PERCENTAGE LANGUAGE SKILLS

Listening	57%
Speaking	50%
Reading	17%
Writing	21%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK	Listen to learn
CONDITIONS	Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS	100% understanding of oral communication
TASK	Provide oral references to explain
CONDITIONS	Given a simple medical operation requiring an oral explanation in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS	100% understandable oral communication
TASK	Read the text material
CONDITIONS	Given printed text material available in the form of explanation of structure, signs, labels, tables and diagrams
STANDARDS	100% understanding of printed content
TASK	Write to inform
CONDITIONS	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1001	Apply the four lifesaving measures
051-191-1002	Apply first aid measures for burns
051-191-1003	Apply preventive measures to reduce climatic injuries
051-191-1005	Administer artificial respiration
051-191-1006	Immobilize fractures
051-191-1007	Perform first aid for special wounds

NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	60%
Speaking	60%
Reading	30%
Writing	30%

II. JOB CANDIDATE KNOWLEDGE OF LANGUAGE

TASK	Learn to perform
CONDITIONS	Given oral warnings of actual conditions regarding simulated NBC exposures (as needed) and the training situation (Paragraph 4), being simulated and simulated situations and being given (Paragraphs 5 & 7)
STANDARDS	100% understanding of oral situation
TASK	Perform oral responses to action and report
CONDITIONS	Given NBC and other equipment used before
STANDARDS	100% understanding of oral situation
TASK	Read and understand
CONDITIONS	Given printed NBC training materials in the form of job
STANDARDS	100% understanding of oral situation
TASK	Write to perform
CONDITIONS	Given a description of what to do in the training situation (Paragraph 4), being given task and a description of the situation and being given (Paragraphs 5 & 7)
STANDARDS	100% understanding and ability to perform

III. TASK NUMBERS AND TITLES

051-101-1031	Maintain protective mask and accessories
051-101-1032	Put on a protective mask
051-101-1033	Take cover as protection against NBC hazards
051-101-1034	Decontaminate self and individual equipment
051-101-1035	Administer antidote to a nerve agent casualty
051-101-1036	Apply artificial respiration to a chemical agent casualty
051-101-1037	Decontaminate personal needs and personal hygiene in a chemical environment
051-101-1038	Identify NBC hazards and take appropriate actions

22 ✓

INDIVIDUAL FITNESS

I. PERCENTAGE LANGUAGE SKILLS

Listening	40%
Speaking	0%
Reading	0%
Writing	0%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen for information
CONDITIONS:	Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structure and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Read for information
CONDITIONS:	Given printed text consisting paragraphs in the form of explanations, procedures, reports and references
STANDARDS:	100% understanding of printed material

III. TASK ANALYSIS AND RESULTS

DESCRIPTION:	Maximum potential of oral language skills is 40% and reading is 0%
--------------	--

BASIC INDIVIDUAL TECHNIQUES

I. PERCENTAGE LANGUAGE SKILLS

Listening	40%
Speaking	45%
Reading	13%
Writing	2%

II. FOR EACH TASK STATEMENT AND OBJECTIVE

TASK	Listen for information
OBJECTIVES	Class oral presentations to perform task specific weight matrix for the listening situation (Appendix 4), using standard and non-standard structured and logical items (Appendices 3 & 7)
ASSESSMENTS	100% understanding of oral communication
TASK	Perform oral presentation
OBJECTIVES	Class oral presentations to perform task specific weight matrix for the speaking situation (Appendix 4), using standard and non-standard structured and logical items (Appendices 3 & 7)
ASSESSMENTS	100% understanding of oral communication
TASK	Read for information
OBJECTIVES	Class oral presentations to perform task specific weight matrix for the reading situation (Appendix 4), using standard and non-standard structured and logical items (Appendices 3 & 7)
ASSESSMENTS	100% understanding of oral communication
TASK	Write for information
OBJECTIVES	Class oral presentations to perform task specific weight matrix for the writing situation (Appendix 4), using standard and non-standard structured and logical items (Appendices 3 & 7)
ASSESSMENTS	100% understanding of oral communication

III. TASK STATEMENTS AND OBJECTIVES

051-101-1041	Control fire from one and multiple positions
051-101-1042	Move as a member of a fire team
051-101-1043	Move under direct fire
051-101-1044	Relieve target
051-101-1045	Control fire from one and multiple positions
051-101-1046	Class fire of fire
051-101-1047	Salvo fire from multiple positions
051-101-1048	Engage hostile aircraft with individual weapon
051-101-1049	Control rate and distribution of fire
051-101-1050	Control fire team movement

CAMOUFLAGE

I. PERCENTAGE LANGUAGE SKILLS

Listening	53%
Speaking	33%
Reading	0%
Writing	17%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and nonstandard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, exhortations or instructions in any training situation (Appendix 4), using standard and nonstandard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read the printed word
CONDITIONS:	Given printed word training materials in the form of signs, charts, manuals and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and nonstandard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. DISC NUMBERS AND TITLES

OSI-101-1361	Camouflage/conceal self and individual equipment
OSI-101-1362	Camouflage/conceal equipment
OSI-101-1363	Camouflage/conceal defensive positions

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SECURITY AND INTELLIGENCE

I. PERCENTAGE LANGUAGE SKILLS

Listening	80%
Speaking	50%
Reading	99%
Writing	95%

II. JOB TASK AND PERFORMANCE REQUIREMENTS

TASK:	Listen to lesson and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral instructions
TASK:	Listen to orally presented
CONDITIONS:	Questions orally presented, orally presented and written in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral instructions
TASK:	Orally present oral instructions in any training situation
CONDITIONS:	Orally present oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral instructions
TASK:	Read to learn
CONDITIONS:	Given printed text in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1091	Use challenge and password
051-191-1095	Process known or suspected enemy personnel
051-191-1096	Collect/report information - SIG JI
051-191-1097	Identify threat vehicles
051-191-1098	Perform guard duty
051-191-1099	Practice posture, light, and litter discipline

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COMMUNICATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	02
Speaking	02
Reading	02
Writing	02

II. LANGUAGE AND PERFORMANCE REQUIREMENTS

Task	Listen to perform
Requirement	Given a brief oral message including grounds in an training situation (Appendix 4), using standard and non- standard words and/or pictorial signs (Appendices 1 & 2) 1. 100% understanding of oral communication
Task	Provide oral assistance and radio/teletype
Requirement	Given the requirement to orally communicate using the grounded and/or pictorial signs (Appendices 1 & 2), using standard and non-standard words and/or pictorial signs (Appendices 1 & 2) 1. 100% understanding of oral communication
Task	Read to perform
Requirement	Given the requirement to read and understand the form of grounded and/or pictorial signs (Appendices 1 & 2), using standard and non-standard words and/or pictorial signs (Appendices 1 & 2) 1. 100% understanding of oral communication

III. LANGUAGE AND PERFORMANCE REQUIREMENTS

Requirement: 100% understanding, using of oral radio/teletype communication

LAND NAVIGATION

I. PERCENTAGE LANGUAGE SKILLS

Listening	54%
Speaking	50%
Reading	33%
Writing	37%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and nonstandard structural and lexical items (Appendices 5 & 7)
STANDARD:	100% understanding of oral communication
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and nonstandard structural and lexical items (Appendices 5 & 7)
STANDARD:	100% comprehensible oral utterances
TASK:	Read for information
CONDITIONS:	Given printed materials in the form of maps, logs, definitions, copies of all instructions, photographs and printouts
STANDARD:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and nonstandard structural and lexical items (Appendices 5 & 7)
STANDARD:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1-81	Identify terrain features (natural and man-made) on the map
051-191-1-85	Navigate, using a map
051-191-2-92	Determine an azimuth
051-191-2-83	Locate a point on a map
051-191-2-84	Navigate, using a compass
051-191-2-85	Navigate, using a map
051-191-2-86	Measure ground distance
051-191-2-87	Orient a map, using a compass
051-191-2-88	Determine a location on the ground
051-191-2-89	Determine the elevation of a point on the ground, using a map
051-191-2-90	Orient a map to the ground by map-terrain association
051-191-2-91	Locate an unknown point on a map or on the ground by intersection
051-191-2-92	Locate an unknown point on a map or on the ground by resection

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M16A1 RIFLE

I. PERCENTAGE LANGUAGE SKILLS

Listening	100%
Speaking	50%
Reading	39%
Writing	50%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or on request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, captioned illustrations, warnings and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1181	Maintain an M16A1 rifle, magazines, and ammunition
051-191-1182	Load and unload an M16A1 rifle magazine
051-191-1183	Load, reduce a stoppage, unload, and clear an M16A1 rifle
051-191-1184	Zero an M16A1 rifle
051-191-1185	Engage targets with an M16A1 rifle
051-191-1186	Prepare and use aiming and firing stakes for the M16A1 rifle

LIGHT ANTITANK WEAPON (LAW)

I. PERCENTAGE LANGUAGE SKILLS

Listening	0%
Speaking	0%
Reading	0%
Writing	0%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of procedures, descriptions, tables and SOPs
STANDARDS:	100% understanding of printed content

III. TASK NUMBERS AND TITLES

051-191-1241	Prepare an M2A2 LAW for firing; restore M2A2 LAW to carrying configuration
051-191-1242	Engage targets with an M2A2 LAW
051-191-1243	Apply appropriate action to correct a malfunction on an M2A2 LAW

GRENADES

I. PERCENTAGE LANGUAGE SKILLS

Listening	83%
Speaking	42%
Reading	50%
Writing	42%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of warnings, procedures, definitions, captioned illustrations and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1211	Maintain an M203 grenade launcher and ammunition
051-191-1212	Load, unload, and clear an M203 grenade launcher
051-191-1213	Zero an M203 grenade launcher
051-191-1214	Engage targets with an M203 grenade launcher and apply immediate action to reduce a stoppage
051-191-1215	Prepare and use aiming and firing stakes for the M203 grenade launcher
051-191-1302	Engage enemy targets with hand grenades

MINES

I. PERCENTAGE LANGUAGE SKILLS

Listening	87%
Speaking	87%
Reading	58%
Writing	65%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of warnings, procedures, definitions, captioned illustrations and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK SETTERS AND TITLES

051-192-1002	Install the M16A1 bounding antipersonnel mine with and without tripwires
051-192-1003	Install the M18A1 fragmentation antipersonnel mine (Claymore) with and without tripwires
051-192-1005	Install the M26 antipersonnel mine with and without tripwires

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051-192-1008	Install the M21 metallic antitank (AT) mine
051-192-1012	Disarm the M16A1 bounding antipersonnel mine equipped with and without tripwires
051-192-1013	Disarm the M18A1 fragmentation antipersonnel mine (Claymore) equipped with and without tripwires
051-192-1015	Disarm the M26 antipersonnel mine equipped with and without tripwires
051-192-1018	Disarm the M21 metallic antitank mine
051-192-1021	Locate mines by visual means
051-192-1022	Locate mines by probing
051-192-1023	Locate mines, using the AN/PSS-11 mine detector set
051-192-1024	Locate mines, using the AN/PRS-7 mine detector set
051-192-1025	Neutralize enemy mines
051-192-1027	Install the M15 heavy antitank mine
051-192-1028	Disarm the M15 heavy antitank mine

WHEELED VEHICLE OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	0%
Speaking	0%
Reading	0%
Writing	0%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of captioned illustrations, procedures, tables and explanations
STANDARDS:	100% understanding of printed content

III. TASK NUMBERS AND TITLES

051-191-9621 Perform operator maintenance on a wheeled vehicle

DEMOLITIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	100%
Speaking	100%
Reading	100%
Writing	100%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read oral content to learn
CONDITIONS:	Given a requirement to read verbal materials in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of captioned illustrations, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of captioned illustrations, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-193-1001	Identify and maintain demolition equipment
051-193-1002	Construct a nonelectric (initiation) detonating assembly
051-193-1003	Prime a demolition block nonelectrically

051-193-1004	Construct an electric (initiation) detonating assembly
051-193-1005	Prime demolition block electrically
051-193-1006	Connect electrical firing circuits
051-193-1007	Prime explosives with detonating cord
051-193-1008	Make detonating cord connections
051-193-1009	Construct a detonating cord firing system
051-193-1011	Install dual firing systems
051-193-1012	Detonate explosives

LEADERSHIP

I. PERCENTAGE LANGUAGE SKILLS

Listening	100%
Speaking	100%
Reading	87%
Writing	90%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 6), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses to requests or requests
CONDITIONS:	Given any verbal stimulus in the form of questions, statements or instructions in any training situation (Appendix 6), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Obtain oral information to perform a task
CONDITIONS:	Given a requirement to perform a verbal task in any training situation (Appendix 6), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, manuals, charts, captions, all situations and explanations
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete forms and produce a written report
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-2541	Inspect personnel/equipment
051-191-2542	Supervise maintenance on individual and GOE equipment
051-191-2544	Supervise subordinates
051-191-2547	Prepare the rater's section of an enlisted evaluation report (EDR)
051-191-2548	Solve leadership problems

CALIBER .50 MACHINEGUN CREWMAN

I. PERCENTAGE LANGUAGE SKILLS

Listening	0%
Speaking	0%
Reading	0%
Writing	0%

II. JOB LANGUAGE PROFICIENCY REQUIREMENTS

TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of pamphlets, diagrams, manuals and tables and
STANDARDS:	100% understanding of printed content

III. TASK NUMBER AND DATES

031-101-9116	Read manual for the .50 machinegun and its operation
031-101-9117	Read manual for the .50 machinegun and its operation
031-101-9118	Read manual for the .50 machinegun and its operation
031-101-9119	Read manual for the .50 machinegun and its operation
031-101-9120	Read manual for the .50 machinegun and its operation

M60 MACHINEGUN

I. PERCENTAGE LANGUAGE SKILLS

Listening	29%
Speaking	29%
Reading	19%
Writing	21%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARD:	100% understanding of oral communication
TASK:	Provide appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, exhortations or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARD:	100% understandable oral responses
TASK:	Read printed content
CONDITIONS:	Given printed materials in the form of signs, notices, orders, etc., in any training situation
STANDARD:	100% understanding of printed content
TASK:	Write or record
CONDITIONS:	Given a requirement to complete a range card
STANDARD:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-191-1106	Maintain an M60 machinegun and ammunition
051-191-1102	Load, reduce a stoppage, unload, and clear an M60 machinegun
051-191-9193	Engage targets with an M60 machinegun
051-191-9194	Use aiming and firing stakes for the M60 machinegun
051-191-9195	Construct M60 machinegun position
051-191-9197	Zero an M60 machinegun
051-191-9198	Prepare a range card for an M60 machinegun

FIELD FORTIFICATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	80%
Speaking	0%
Reading	0%
Writing	0%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform

CONDITIONS: Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understanding of oral information

III. TASK NUMBERS AND TITLES

051-195-1001	Install pickets and wire barbed wire for perimeter
051-195-1002	Install concrete

RIGGING

I. PERCENTAGE LANGUAGE SKILLS

Listening	80%
Speaking	0%
Reading	0%
Writing	0%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform

CONDITIONS: Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understanding of oral information

III. TASK NUMBERS AND TITLES

031-210-1001	Tie knots and lashings
031-210-1002	Reeve simple tackle systems

TECHNICAL TASKS

I. PERCENTAGE LANGUAGE SKILLS

Listening	51%
Speaking	24%
Reading	21%
Writing	17%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral information
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given a verbal stimulus in the form of questions, sentences or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of writings, procedures, definitions, captioned illustrations and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

051-236-1107	Maintain circular, crosscut or bowsaw, rip saw and chain saw blades
051-236-1111	Measure distance, using rule or tape
051-236-1122	Operate a gasoline-powered chain saw
051-236-1130	Cut lumber using a rip saw, crosscut or bow, and portable electric saw
051-237-1101	Install a pit-leak clamp
051-237-1102	Install a split-leak clamp
051-237-1103	Install an over-coupling leak clamp
051-237-1104	Couple pipe
051-237-1105	Make a hem in sheet metal

051-237-1106	Install pipe fittings
051-237-1107	Make a conical duct section from sheet metal
051-237-1108	Make a cylindrical duct section from sheet metal
051-237-1109	Make a rectangular duct section from sheet metal
051-237-1110	Make a double seam in sheet metal
051-237-1111	Make a Pittsburgh seam in sheet metal
051-237-1112	Make a grooved seam in sheet metal
051-237-1113	Solder sheet metal
051-237-1114	Make an S-slip joint in sheet metal
051-237-1115	Make a drive-slip joint in sheet metal
051-237-1119	Identify structural components and members of a pre-fabricated metal structure
051-237-1120	Identify structural components and members of a steel-bolted storage tank
051-237-1121	Identify structural components and members of a pipeline with pumping station
051-237-1122	Patch flexible hoseline
051-237-1123	Repair flexible hoseline
051-237-1124	Maintain a pioneer tool set
051-237-1125	Maintain a pipe fitter's 2 1/2- to 6-inch pipe tools
051-237-1126	Maintain rigging, wire rope, and cutting and splicing tools
051-237-1127	Maintain pioneer portable electric tools
051-237-1128	Maintain carpenter's tools
051-237-2101	Bury a pipeline section
051-237-2103	Cold-bend a pipe, using expedient methods
051-237-2106	Determine the size of structural components and members of a prefabricated metal structure
051-237-2107	Determine the size and configuration of sheet metal components and members and make a pattern
051-237-2108	Load flaking boxes
051-237-2109	Emplace a flexible hoseline
051-237-2110	Emplace a collapsible tank

SECTION VI

JOB LANGUAGE PERFORMANCE REQUIREMENTS (Entire MOS)

INTRODUCTION

This section contains language tasks for each generic skill for this MOS. Listed below each task are the types of receptive or productive language activity involved.

LISTENING

TASK: Understand oral language intended to inform or instruct.

CONDITIONS: Given explanations, procedures, rules, instructions or definitions in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5 & 6)

STANDARDS: 100% understanding and assimilation of presented oral language task.

The following are specific conditions found in this language task:

Warnings
Described situations
Directions
Lectures
Commands, Orders
Sound tracks (films, tapes)
Standard/Non-standard English
Instructions
SQT questions

TASK: Understand spontaneous oral language or language via a technical medium - such as a radio telephone - intended to inform and elicit responses.

CONDITIONS: Given scenarios, questions, commands or requests in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5, & 6)

STANDARDS: 100% understanding and assimilation of oral language in order to apply and respond.

The following are specific conditions found in this language task:

Shouting
Radio communications
Coded messages
Spellings
Conversation
Requests

SPEAKING

TASK: Formulate and produce appropriate oral responses spontaneously.

CONDITIONS: Given any verbal stimulus in the form of questions, scenarios, instructions, or cues in any training situation.
(Appendices 5 & 6)

STANDARDS: 100% understandable oral response using correct lexicon and syntax for the training situation.

The following are specific conditions found in the language task:

- Explanations
- Statements
- Repetitions
- Counting
- Corrections
- Assignments
- Notifications
- Oral reports
- Answers
- Clarifications
- Information

TASK: Produce oral utterances to interact and communicate spontaneously or via a technical medium such as radio telephone.

CONDITIONS: Given a communicative situation (Appendices 4, 5, & 6 Soldier's Manual) in any training situation.

STANDARDS: 100% understandable communication using correct lexicon and syntax for the communication act.

The following are specific conditions found in this language task:

- Requesting information
- Requesting permission
- Transmitting messages
- Call signs
- Vocal signals
- Shout warnings
- Radio communications
- Target locations
- Directions (N,S,E,W)
- Directions, general
- Requests for fire
- Report on the results of fire
- Challenges/Passwords
- Training sessions
- Interaction

READING

TASK: Read MOS training in the form of printed prose or graphic representations in order to learn processes, concepts, vocabulary, definitions and identifications, to calculate problems, intercept codes and complete forms.

CONDITIONS: Given technical, non-technical, lexical and structural features in simple to complex printed form in any training situation. (Appendices 4, 5 & 6)

STANDARDS: 100% understanding of printed content.

The following are specific conditions found in this language task:
Captions with illustrations.

Lists	Extracts
Procedures	Columns
Information	Indices
Definitions	Charts
Outlines	Methods
Signs	Technical Vocabulary
Markers	Standard Operating Procedures
References	Cartoons
Rules	Problems
Maps	Manuals
Flags	Graphic Training Aids
Military Documents	
I.D. Papers	
Regulations	

TASK: Identify, understand, and interpret written utterances pertinent to MOS training in technical or non-technical language.

CONDITIONS: Given technical, non-technical, lexical and structural features in simple to complex written form in any training situation. (Appendices 4, 5 & 6)

STANDARDS: 100% understanding of written content.

The following are specific conditions found in this language task:

Lists
Information
Descriptions
Radiation readings off dosimeter
Coordinate scales
Callsigns-suffices
Three-letter codes
Examples
Calculations
Markings
Radio communications
Range cards
Notes
Messages

WRITING

- TASK:** Upon instruction, write in conventional orthography, letter, numbers, words or sentences appropriate to the training situation.
- CONDITIONS:** Given standardized forms, paper or answer sheets and the instructions to list, answer, describe or recall.
- STANDARDS:** 100% syntactical and lexical correctness and legibility of writing which is also appropriate in style and usage to training situations. (Appendix 4)

The following are specific conditions found in this language task:

Ratings
Signatures
Range cards
Data symbols
Answers
Descriptions
Notes
Reports

- TASK:** Write, in conventional orthography, letters, or specialized code, numbers, words or sentences in order to transmit or record information.
- CONDITIONS:** Given standardized forms or paper and oral communication.
- STANDARDS:** 100% syntactical and lexical correctness of writing which can be read by another speaker of English.

The following are specific conditions found in this language task:

Technical forms
Codes
Grid coordinates
Decoded messages
Encoded messages
Logbooks
Plottings
Figures
Reports
Tags
Range cards
Applicable DA forms

APPENDICES

1. Task Prioritization Checklist
2. Task Inventory Compiled Data Forms
3. Percentage Language Skills
4. Observation Form
5. Structural/Lexical list
6. Vocabulary (DLIELC in-house)
7. Vocabulary (machine-generated)
8. English Language Structures

APPENDIX I

TASK PRIORITIZATION CHECKLIST

This Checklist was approved by the
Department of the Army in 1980.

YOUR CURRENT MOS: _____
(PRESENTLY WORKING IN)

RATING: 1-low
2-med
3-high

MOS IN WHICH YOU WERE TRAINED: _____
POSITION: _____
UNIT: _____

YES

NO

IS TASK
TAUGHT?

LISTENING •
SPEAKING •
READING •
WRITING •

OR,
IMPORTANCE

LECTURE
SELF-FACED
DEMONSTRATION
HANDS-ON

HOW
TAUGHT

YES

NO

IS TASK
TESTED?

WRITTEN
ORAL

HOW
TESTED?

PERFORMANCE
PERSON

PERSON

POOR
PERFORMANCE
RESULTS IN
DANGER
EQUIPMENT

APPENDIX 2

TASK INVENTORY COMPILED DATA FORM

This form was used to record data from
the Task Prioritization Checklist.

52

NOS 510 NUMBER OF RESPONDENTS 1
 DATA OBTAINED FROM 1st mail TRAINING SPECIALIST

[illegible]

NO. 516 NUMBER OF RESPONDENTS 2
DATA OBTAINED FROM Fr. Leonard (1962) TRAINING SPECIALIST

[illegible]

[illegible]

WOS _____ NUMBER OF RESPONDENTS _____
DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS			
					writing	reading	speaking	listening
			self-paced	written				
			hands-on	oral				
			demonstration	performance				
			lecture					
			danger to person or					
			equipment					
			importance					
			difficulty?					
			tested?					
			taught?					
001/190-1361								
001/190-1364								
001/190-1365								
001/190-1031								
001/190-1091								
001/190-1096								
001/190-1097								
001/190-1098								
001/190-1099								
001/190-1161								
001/190-1481								
001/190-1985								
001/190-2402								
001/190-2403								
001/190-2404								
001/190-2485								
001/190-2486								
001/190-2487								
001/190-2488								
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001/190-2692								
001/190-								

UNIT	METHODS OF TEACHING	METHODS OF TESTING	CRITICALITY	NATURE OF FLs			
				writing	reading	speaking	listening
1	self-paced						
	hands-on						
	demonstration						
2	lecture						
	self-paced						
	hands-on						
3	demonstration						
	lecture						
	self-paced						
4	hands-on						
	demonstration						
	lecture						
5	self-paced						
	hands-on						
	demonstration						
6	lecture						
	self-paced						
	hands-on						
7	demonstration						
	lecture						
	self-paced						
8	hands-on						
	demonstration						
	lecture						
9	self-paced						
	hands-on						
	demonstration						
10	lecture						
	self-paced						
	hands-on						
11	demonstration						
	lecture						
	self-paced						
12	hands-on						
	demonstration						
	lecture						
13	self-paced						
	hands-on						
	demonstration						
14	lecture						
	self-paced						
	hands-on						
15	demonstration						
	lecture						
	self-paced						
16	hands-on						
	demonstration						
	lecture						
17	self-paced						
	hands-on						
	demonstration						
18	lecture						
	self-paced						
	hands-on						
19	demonstration						
	lecture						
	self-paced						
20	hands-on						
	demonstration						
	lecture						

WOS _____	NUMBER OF RESPONDENTS _____
DATA OBTAINED FROM _____	TRAINING SPECIALIST _____

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
					writing
					reading
					speaking
					listening
					written
					oral
					performance
					self-paced
					hands-on
					demonstration
					lecture
					danger to person or
					equipment
					importance
					difficulty?
					tested?
					taught?

52~1k

WOS 510 NUMBER OF RESPONDENTS 1
DATA OBTAINED FROM 62man1 TRAINING SPECIALIST

[illegible]

[illegible][illegible]

TECHNICAL 14542

TRAINING SPECIALIST

54542 240124 21

APPENDIX 3

PERCENTAGE LANGUAGE SKILLS

This appendix contains the computations for the percentages of listening, speaking, reading and writing involved in each cluster.

Some clusters have two sets of computations because some Task Prioritization Forms were received after original computations and had to be added on.

PERCENTAGE LANGUAGE SKILLS
NOS 51C

TR = total number of responses to variables in the cluster
T = number of tasks in tr cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR + (T)(V)(R)}{R} = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
FIRST AID 051-191-1001 THRU 051-191-1003 051-191-1005 THRU 051-191-1007	$6 \times 5 \times 1 = 30$ $\begin{array}{r} 4 \\ 3 \\ 3 \\ 3 \\ 4 \\ \hline 17 \end{array}$ $30 \overline{) 17.000} \quad .567$	$6 \times 2 \times 1 = 12$ $\begin{array}{r} 3 \\ 3 \\ \hline 6 \end{array}$ $12 \overline{) 6.000} \quad .500$	$6 \times 3 \times 1 = 18$ $\begin{array}{r} 0 \\ 2 \\ 1 \\ \hline 3 \end{array}$ $18 \overline{) 3.000} \quad .167$	$6 \times 4 \times 1 = 24$ $\begin{array}{r} 3 \\ 0 \\ 2 \\ 0 \\ \hline 5 \end{array}$ $24 \overline{) 5.00} \quad .208$
	57%	50%	17%	21%
NBC 051-191-1031 THRU 051-191-1038	$8 \times 5 \times 1 = 40$ $\begin{array}{r} 4 \\ 4 \\ 4 \\ 4 \\ 3 \\ 4 \\ \hline 19 \end{array}$ $40 \overline{) 19.000} \quad .475$	$8 \times 2 \times 1 = 16$ $\begin{array}{r} 3 \\ 4 \\ \hline 7 \end{array}$ $16 \overline{) 7.000} \quad .438$	$8 \times 3 \times 1 = 24$ $\begin{array}{r} 2 \\ 2 \\ 3 \\ \hline 7 \end{array}$ $24 \overline{) 7.000} \quad .292$	$8 \times 4 \times 1 = 32$ $\begin{array}{r} 4 \\ 2 \\ 2 \\ 3 \\ \hline 11 \end{array}$ $32 \overline{) 11.000} \quad .344$
	48%	44%	29%	34%
INDIVIDUAL FITNESS 051-191-1061	$1 \times 5 \times 1 = 5$ $\begin{array}{r} 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ \hline 2 \end{array}$ $5 \overline{) 2.000} \quad .400$	$1 \times 2 \times 1 = 2$ $\begin{array}{r} 0 \\ 0 \\ \hline 0 \end{array}$	$1 \times 3 \times 1 = 3$ $\begin{array}{r} 0 \\ 0 \\ 0 \\ \hline 0 \end{array}$	$1 \times 4 \times 1 = 4$ $\begin{array}{r} 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \end{array}$
	40%	0%	0%	0%
		1	60	

TR = total number of responses to variables in the cluster
 T = number of tasks in cluster
 V = variables
 R = maximum number of respondents in any task in that cluster

PERCENTAGE LANGUAGE SKILLS MOS 57C

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR + (T)(V)(R)}{T} = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
BASIC INDIVIDUAL TECHNIQUES	$10 \times 5 \times 1 = 50$ $\begin{array}{r} 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ \hline 20 \end{array}$ $50 \overline{) 20.000} \quad .400$	$10 \times 2 \times 1 = 20$ $\begin{array}{r} 4 \\ 5 \\ \hline 9 \end{array}$ $20 \overline{) 9.000} \quad .450$	$10 \times 3 \times 1 = 30$ $\begin{array}{r} 0 \\ 0 \\ 4 \\ \hline 4 \end{array}$ $30 \overline{) 4.000} \quad .133$	$10 \times 4 \times 1 = 40$ $\begin{array}{r} 5 \\ 0 \\ 0 \\ 4 \\ \hline 9 \end{array}$ $40 \overline{) 9.000} \quad .225$
	40%	45%	13%	23%
CAMOUFLAGE 051-191-1361 THRU 051-191-1363	$3 \times 5 \times 1 = 15$ $\begin{array}{r} 2 \\ 2 \\ 2 \\ 0 \\ 2 \\ \hline 8 \end{array}$ $15 \overline{) 8.000} \quad .533$	$3 \times 2 \times 1 = 6$ $\begin{array}{r} 0 \\ 2 \\ \hline 2 \end{array}$ $6 \overline{) 2.000} \quad .333$	$3 \times 3 \times 1 = 9$ $\begin{array}{r} 0 \\ 0 \\ 0 \\ \hline 0 \end{array}$ $12 \overline{) 2.000} \quad .167$	$3 \times 4 \times 1 = 12$ $\begin{array}{r} 2 \\ 0 \\ 0 \\ 0 \\ \hline 2 \end{array}$ $12 \overline{) 2.000} \quad .167$
	53%	33%	0%	17%
SECURITY AND INTELLIGENCE 051-191-1091 051-191-1095 THRU 051-191-1099	$6 \times 5 \times 1 = 30$ $\begin{array}{r} 4 \\ 4 \\ 3 \\ 4 \\ 3 \\ \hline 18 \end{array}$ $30 \overline{) 18.000} \quad .600$	$6 \times 2 \times 1 = 12$ $\begin{array}{r} 3 \\ 3 \\ \hline 6 \end{array}$ $12 \overline{) 6.000} \quad .500$	$6 \times 3 \times 1 = 18$ $\begin{array}{r} 4 \\ 0 \\ 3 \\ \hline 7 \end{array}$ $18 \overline{) 7.000} \quad .389$	$6 \times 4 \times 1 = 24$ $\begin{array}{r} 4 \\ 4 \\ 0 \\ 3 \\ \hline 11 \end{array}$ $24 \overline{) 11.000} \quad .458$
	60%	50%	39%	46%
			61	

PERCENTAGE LANGUAGE SKILLS
NOS 57C

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORM. A	LISTENING	SPEAKING	READING	WRITING
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
COMMUNICATIONS 051-191-1521	1X5X0 = 0	1X2X0 = 0	1X3X0 = 0	1X4X0 = 0
	0%	0%	0%	0%
LAND NAVIGATION 051-191-1481 051-191-1485 051-191-2482 THAW 051-191-2492	13X5X1 = 65 7 7 7 7 7 35 65 $\overline{) 35.000}$.538	13X2X1 = 26 7 $\frac{6}{13}$ 26 $\overline{) 13.000}$.500	13X3X1 = 39 6 1 $\frac{6}{13}$ 39 $\overline{) 13.000}$.333	13X4X1 = 52 7 6 1 5 19 52 $\overline{) 19.000}$.365
	54%	50%	33%	37%
M16A1 RIFLE 051-191-1181 THAW 051-191-1186	6X5X1 = 30 6 6 6 6 6 30 30 $\overline{) 30.000}$ 1.000	6X2X1 = 12 0 $\frac{6}{6}$ 12 $\overline{) 6.000}$.500	6X3X1 = 18 6 0 $\frac{1}{7}$ 18 $\overline{) 7.000}$.389	6X4X1 = 24 6 6 0 0 12 24 $\overline{) 12.000}$ 1.000
	100%	50%	39%	50%
			62	

**PERCENTAGE LANGUAGE SKILLS
NOS 5/C**

TR = total number of responses to variables in the cluster
 T = number of tasks in 1 cluster
 V = var
 R = max number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$TR + (T)(V)(R) = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
LAW	$3 \times 5 \times 1 = 15$ $\frac{00000}{0}$	$3 \times 2 \times 1 = 6$ $\frac{00}{0}$	$3 \times 3 \times 1 = 9$ $\frac{000}{0}$	$3 \times 4 \times 1 = 12$ $\frac{0000}{0}$
OSI-191-1244 T.M.W. OSI-191-1243				
	0%	0%	0%	0%
GRENADERS	$6 \times 5 \times 1 = 30$ $\frac{55555}{25}$ $\frac{.833}{30 \overline{) 25.000}}$	$6 \times 2 \times 1 = 12$ $\frac{50}{5}$ $\frac{.417}{12 \overline{) 5.000}}$	$6 \times 3 \times 1 = 18$ $\frac{54}{18}$ $\frac{.500}{18 \overline{) 9.000}}$	$6 \times 4 \times 1 = 24$ $\frac{5500}{10}$ $\frac{.417}{24 \overline{) 10.000}}$
OSI-191-1211 T.M.W. OSI-191-1215 OSI-191-1302				
	83%	42%	50%	42%
MINES	$15 \times 5 \times 1 = 75$ $\frac{1313131313}{65}$ $\frac{.867}{75 \overline{) 65.000}}$	$15 \times 2 \times 1 = 30$ $\frac{13}{26}$ $\frac{.867}{30 \overline{) 26.000}}$	$15 \times 3 \times 1 = 45$ $\frac{130}{26}$ $\frac{.578}{45 \overline{) 26.000}}$	$15 \times 4 \times 1 = 60$ $\frac{13130}{39}$ $\frac{.617}{60 \overline{) 39.000}}$
	81%	87%	58%	65%
			43	

**PERCENTAGE LANGUAGE SKILLS
NOS 57C**

TR = total number of responses to variables in the cluster
T = number of tasks in cluster
V = variable
R = maximum number of respondents in any task in that cluster

POI	LISTENING	SPEAKING	READING	WRITING
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
PALEAR 50 MAINTENANCE CREWMAN 051-191-9204 THRU 051-191-9208	5x5x0=0	5x2x0=0	5x3x0=0	5x4x0=0
	0%	0%	0%	0%
M60 MAINTENANCE GUN 051-191-1196 051-191-1192 051-191-9193 051-191-9195 051-191-9197 051-191-9198	7x5x1=35 2 2 2 2 2 <u>10</u> 286 357.000	7x2x1=14 2 <u>2</u> 4 14/4.000 286	7x3x1=21 2 <u>20</u> 4 21/4.000 190	7x4x1=28 2 <u>20</u> 2 <u>6</u> 28/6.000 214
	29%	29%	19%	21%
FIELD EQUIP IFICATIONS 051-195-1001 051-195-1002	2x5x1=10 2 0 2 2 2 <u>8</u> 800 10/8.000	2x2x1=4 0 <u>0</u> 0	2x3x1=6 0 <u>0</u> 0	2x4x1=8 0 <u>0</u> 0 <u>0</u> 0
	80%	0%	0%	0%
			65	

PERCENTAGE LANGUAGE SKILLS
MOD SIC

[illegible]

APPENDIX 4

OBSERVATION FORMS

The attached forms were taken to the actual training where observers recorded actual training situations and language used in the training. These forms were used to indicate the CONDITIONS for the Job Language Performance Requirements in this MOS.

MOS _____

PERSON RECORDING _____

LOCATION
UNIT/ALT _____

SUBJECT _____

* TASK NUMBER IF KNOWN _____

Physical Environment of Instruction

- A. Classroom
 - B. Open Areas (live firefield- mark-up terrain)
 - C. Large enclosed area (bleacher sites)
(Warehouse size,
 - D. Other
- Comments:

Styles of Communication Instructor, Verbal orders

- A. Formal Speech
 - B. Informal Speech
 - C. Regional/Ethnic
 - D. Body Language
 - E. Profanity
 - F. Shop talk/slang
 - G. Non-standard English
 - I. Other
- Comments:

Media of Instruction

- A. Films
 - B. Video cassettes
 - C. Graphic Training Aids (diagrams, etc....)
 - D. Illustrations (requiring reading/not requiring reading)
 - E. Maps
 - F. Mock-ups
 - G. Models/Aimulate
 - H. Real equipment
 - I. Transparencies
 - J. Tape cassettes
 - K. Training Publications (required/available)
 - L. Signs/Notices
 - M. P.A. System
 - N. Normal Voice
 - O. Soldier's Manual
 - P. Chalkboard
 - Q. Other
- Comments:

Mode of Response

- A. Manipulating a piece of equipment/device
 - B. Answers (spoken - written)
 - C. Signals
 - D. Performance
 - E. Taking Notes
 - F. Teamwork
 - G. Other
- Comments:

Instructional Ratio

- A. Instructor; one-to-one/class
 - B. Peer/one-to-one
 - C. Group or Committee Group (group of instructors of whom one teaches one portion of the whole)
 - Small (12 or less)
 - Large (more than 12)
 - D. Other
 - E. Questions
- Comments:

APPENDIX 5

STRUCTURAL/LEXICAL LIST

Attached is the list of
structural and lexical items
for this MOS.
(For discussion, see Section II)

STRUCTURAL ITEMS

SENTENCE PATTERNS

SIMPLE: One subject and one predicate

1. Subject and action verb
Firer aims.
2. Subject and action verb and direct/indirect object
Many things cause burns.
3. Subject and linking verb and subjective complement
This is very important.

COMPOUND: Two or more sentences joined by:

1. Coordinating conjunction

Explain the task and ask the trainees if they understand the task, and the conditions they are expected to perform at the end of the session, the conditions under which they must operate, and the standard they must achieve.

2. Conjunctive adverb

Do not start or stop the vehicle while the radio is on or you may damage the set.

3. Semicolon

A light pressure is exerted on the driving spring when the bolt is forward; however, never attempt to cock the gun while the backplate is off and the driving spring assembly is in place.

COMPLEX: One or more dependent clauses

1. Adjectival (functions as an adjective by modifying nouns and pronouns)

At the bottom of the map you will find three different bar scales which will help you to change map distance to miles, meters, or yards.

2. Adverbial (functions as an adverb by modifying verbs, adjectives, and other adverbs) The mouth-to-nose method is performed in the same way except you blow into his nose while you pinch his lips closed with one hand.

3. Noun (functions as a noun) The person who is performing artificial respiration quickly blows into the casualty's lungs after each five compressions.

SENTENCE TYPES

1. INTERROGATIVE

(do, does, modal, wh-, tag, inverted)
But what about the other 15 meters?
Ask, "What is there?"

2. DECLARATIVE

Classified information will not be discussed over the telephone.

3. EXCLAMATORY

HALT!

4. IMPERATIVE

Issue the challenge in a soft voice and wait for the (requests, commands, second person (singular/plural, negative/affirmative), First and second person (let's)) stranger to reply with the correct password.

5. ELLIPSIS:

Split the bracket until fire for effect is possible. Most common type of ellipsis--subject deleted

6. FRAGMENT

Movement to occupy a position.
All other parts.

ADVERBIAL CLAUSES

1. PURPOSES

Training must be conducted so that at least 80% of the students can accomplish the task trained to the standards specified for the task.

2. CONTRAST

Although natural terrain features are likely not to change and make good reference points to orient a map, you may also use manmade features such as roads, bridges, etc., to orient your map.

3. COMPARISON

Place suitable material under him as well as over him if necessary.

4. RESULT

Blending is the use of camouflage materials on, over, and around an object so that it appears to be part of the background.

5. MANNER

Take deep breath and place mouth around soldier's mouth; then blow forcefully as you observe his chest.

6. TIME

When you have to go a certain distance on foot without any landmarks to guide you, you can measure distance pretty accurately by counting your paces.

Split the bracket until fire for effect is possible.

7. PLACE

Loosen clothing at neck, waist, and other places where it tends to bind.

8. CAUSE

Be careful not to depress the trigger, since this will cause the firing pin to be released.

9. ADVERSATIVE

The casualty has no fractures, but has a bleeding wound.

10. CONDITION

If it isn't, your rifle can still fire, but it could possibly explode, causing you harm.

PHRASES

1. GERUND

(upon) Hearing the correct password, give permission to pass if you have no other reasons to doubt.

2. PARTICIPIAL

Using a straightedge draw a line between the two objects.

3. INFINITIVE

To camouflage exposed skin paint the shiny areas with a dark color.

4. PREPOSITIONAL

Under certain light conditions, front sight ports can be seen, but you can't determine whether you are looking through, above, or to the side of the rear sight aperture.

LEXICAL ITEMS

ADJECTIVALS

"rifle bore cleaner"
"waste material"
"burning residue"
"semi-fixed ammunition"
"extracting/loading ammunition"
"firing hammer"
"four life-saving steps"
"chest/heart massage"
"tourniquet material"
"field material"
"field condition"
"mouth-to-mouth resuscitation"

ADJECTIVES

1. WORD + ABLE

AVAILABLE

2. COMPARATIVES

Threat main tanks are smaller than the US main battle tanks.

3. SUPERLATIVES

The most dangerous targets are those that see you, have the capability of killing you, and appear to be preparing to engage you.

PRONOUNS

1. INDEFINITE

Have someone walk the FDL (if enemy situation permits), and determine dead space (sections of FDL where individual drops below line of sight).

2. POSSESSIVE

Shake his shoulder and shout, "Are you OK.?"

3. SUBJECTIVE

This will give you correct nomenclature.

4. OBJECTIVE

It will also give you the correct functioning.

5. REFLEXIVE

Keep yourself clear of the muzzle.

VERBS

1. VERB TENSES

Make sure you clearly understand the task you are to teach.

--You will be tested.

--If they elect to take it, they must complete the test once they have begun the first event or else they will receive a NO GO for the entire test.

--If the soldier is breathing, mouth-to-mouth resuscitation is not necessary.

--When all 10 pebbles have been moved to the left pocket, you have traveled one kilometer.

--Have someone walk the FDL and determine dead space.

--Sensing is an instantaneous determination by the grenadier as to where the grenade exploded.

present progressive verb
present verb (uninflected, third
person, indicative)
past tense (regular/irregular)
present perfect
future

2. TYPES

intransitive
(You) train for results.

transitive
Mask the casualty.

linking
The skin becomes inflamed.

3. VOICE

active

recognize
protect
is facing
remove
explode
sounds
points out
seen

appear
seek
secure
wear
mask
stored
do require
could affect

has
must be
wipe
rinse
put brush
empty
reassemble
reinstall

passive

given
is protected
is sprayed

are alerted
are reported
have been corrected

are authorized
be corrected

passive+verb+ing
"task will be performed
using procedures"
modal+passive voice
"can be determined"
modal+negative+passive
"must not be eliminated"

4. MODALS

You must demonstrate, once every 6 months, that you can meet or exceed the minimum level of physical fitness required of each member of your unit in accordance with the standards contained in AR 600-9.

Personnel over the age of 40 may elect not to take the APFT. The pulse should be found in the soft area between the Adam's apple and the large muscle on the side of the neck.

Injury or death could result.

During surveillance the operator will have to adjust the range focus to get a sharp image at different ranges.

"might have to be placed"
"be"
"will be given"
"should be"
"must"
"must be"
"can"
"can be"
"may be"
"should not be"

5. AUXILIARIES

(do, does, negative)

Do not zero in under 100 meters.

If the round does not fall within 5 meters of target, zeroing procedures are called for.

GERUNDS

Sensing is an instantaneous determination by the grenadier as to where the grenade explodes with respect to the target.

INFINITIVES

To fire, hold the M16A1 in the rest with your right shoulder firmly against the weapon's butt plate.

ADVERBS +

1. SUPERLATIVE

When such a line of fire exists, the primary sector will be assigned, based on it, with the FDL being the sector limit closest to the friendly troops.

2. INDEFINITE

The launcher has a heavy coat of oil on working parts, and a light coat of oil elsewhere.

3. FREQUENCY

Apply a little graphite grease to the threads of the antenna section for easy removal and to prevent the sections from seizing if they have been rarely removed.

4. OTHER

Assembly procedure for the grenade launcher merely reverses disassembly steps.

5. COMPARATIVE

The care, cleaning, lubrication and adjustment of the mount used with the gun are no less important.

VERBS AND PREPOSITIONS

Line up the key in the receptacle with the slot in the cable connector.

VERBS AND ADVERB (particles)

Put on the protective mask within nine seconds of the chemical alarm and remain in the contaminated area for at least two minutes without making further adjustments to the mask.

APPENDIX 6

VOCABULARY (DLIELC IN-HOUSE)

The following vocabulary list was extracted from the Soldier's Manual task by task and then categorized into GENERAL, BASIC AND TECHNICAL vocabulary.

NOT APPLICABLE

REF: On 15 MAY 1981 agreement between
TRADOC and DLIELC was reached
that DLIELC In-House Vocabulary
would not be produced for this
MOS.

APPENDIX 7

Appendix 7 is the machine-generated vocabulary list. It was not useful for our purposes. It is included as a vocabulary reference.

HEADQUARTERS

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

DATA CONTROL NUMBER

Job No/Proj No

51C-1

AUG 15 1980



NOV 5 1964

679 RECORDS

100 ITEMS

PROPERTY DISTRIBUTION

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1	COPIES
2	COMPLETED
3	COMPLETELY
4	COMPONENTS
1	COMPENSING
1	COMPRESSION
2	COMPUTER
3	CONCRETE
29	CONDITIONS
1	CONFORM
1	CONFORM
2	CONNECT
1	CONNECTED
1	CONNECTING
1	CONNECTION
2	CONSIDER
2	CONSTRUCT
2	CONSTRUCTED
4	CONSTRUCTION
1	CONTRACT
1	CONTAINING
1	CONTAMINANTS
3	CONTINUE
1	CONTOUR
1	CONTROL
1	CONTROLS
1	COOL
1	COOLING
1	COPE
1	COPE
1	CORNER
2	CORNER
14	CORRECT
1	CORRODE
1	CORRODED
1	CORRUPTED
3	COTTON
2	COULD
2	COUPLE
3	COUPLING
2	COVER
2	COVERED

COVERING
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1 CUP
55 CUT

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CYLINDRICAL

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DEPENDS
DEPECT
DEPTM

DESCRIBED
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DESTROY
DESTROYING
DETACH

DETERMINATION
DETERMINE
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DETERMINES
DETERMINAL

55

DIAGONALLY
DIAGRAMS
DIAMETER
DIFFERENCES
DIFFICULT

DIGGERS
DIGGING
DIVERSION
DIMENSIONS
DIP

DIPPING

DIRECTION
DIRECTLY
DIRTY

DISASSEMBLE
DISCONNECT

DISK
DISTANCE
DISTANCES

DISTRICT
DIVIDER
DIVIDERS
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EASY

3	SAVE
	EXAMINE
	EXPOSE
3	THICK
1	THICK-SIZED
3	SQUALLY
3	EQUIPMENT
6	EVEN
1	EVENLY
6	EVILLY
2	EXPIRE
2	EXCEPTING
1	EXCELLENT
1	EXCEPT
1	EXCESS
2	EXCESSIVE
2	EXHAUST
3	EXPOSE
3	EXPOSED
1	EXTEND
1	EXTENDS
6	FACE
2	FACILITY
1	FACTOR
2	FACTORS
1	FAILURE
2	FAULTY
3	FALL
2	FALLING
1	FALLS
1	FAP
2	FARM
2	FASTER
2	FASTENED
2	FEATHEREDGE
1	FEET
1	FELL
5	FELLING
8	FEW
2	FIBER
1	FID
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7	FIG

5 FIGURE
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4 FILES
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1 FILLINGS
1 STILLING
2 FPLY

3 FILTER
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1 FINSWALL
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1 FOUR-SIDED

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11 LIST

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1 LOCATIONS
2 LOCK

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5 LONGER

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1 LUBRICATED
1 LUBRICATION
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13 LUNAR
14 LUNAR
2 LUNARISTS

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AD-A121 127

JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 51C
STRUCTURES SPECIALIST R..(U) DEFENSE LANGUAGE INST
LACKLAND AFB TX ENGLISH LANGUAGE CENTER..

1/2

12 APR 79

UNCLASSIFIED

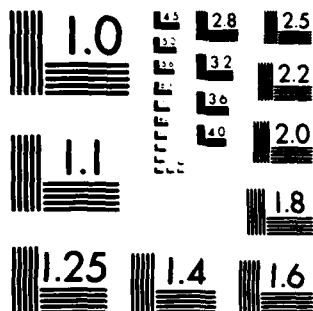
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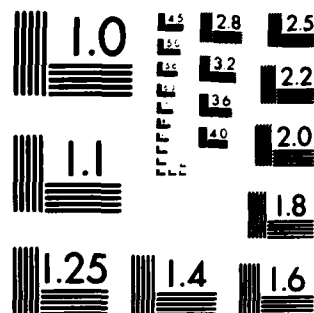
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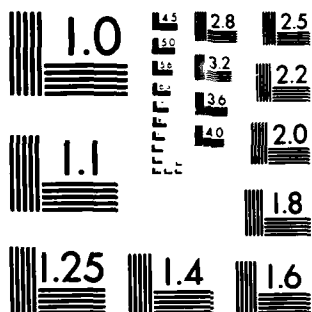
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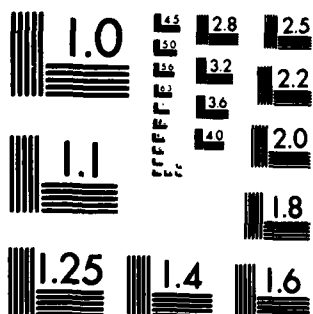
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



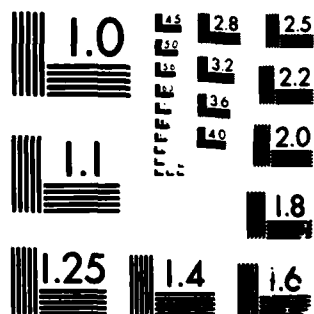
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2 OVERCOUPLING
 7 OVERCOUPLING
 3 OVERCOUPLING
 1 OVERCOUPLING
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4	WIFE
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HEADQUARTERS

DATA CONTROL NUMBER

100 NO / PROJECT NO

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

WCA

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PREP BY: OPERATIONS DIV. DPFO

ATDP Form 100-107 Replaces ATDP 116, Jul 73, which is obsolete

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EVENTIL: 44N2GER

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4	SUFFICIENT	51.1	
4	SUITABLE	51.1	
4	SURFMENT	51.1	
4	SURFACE	51.6	
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4	TESTED	51.1	
4	TIGHT	51.1	
4	TIGHTEN	51.9	
4	TIGHTENED	51.6	
4	TIGHTLY	51.2	
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5	FASTENED	51.2
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5	FOOT	365.1
5	FOURTH	51.3
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5	FOUND	51.2
5	FULL	51.2
5	FULNESS	51.1
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5	HAMMERING	51.1
5	HAMMERS	51.1
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5	HANDLES	51.16
5	HANDLING	51.2
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5	HANDSAL	51.2
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5	HEAVY	51.1
5	HEIGHT	51.3
5	HELMET	51.1
5	HILO	51.14
5	HOLDER	51.4
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5	JERK	51.1
5	JCD	51.2
5	LAGE	51.1
5	LARGER	51.5
5	LEADING	51.1
5	LEAKING	51.1
5	LEAKS	51.2
5	LFG	51.2
5	LEGS	51.3
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5	LENGTHS	51.1
5	LTES	51.1
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5	LITTLE-USED	51.1
5	LOCATE	51.1
5	LOCATED	51.2
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5	MACHINE	51.14
5	MANNER	51.1
5	MIND	51.1
5	MOTION	51.1
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5	NETLS	51.1
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5	NEARLY	51.1
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5	OVERNIGHT	51.1
5	PAINT	51.1
5	PAPER	51.1
5	PEG	51.1
5	PCGS	51.1
5	PERCENT	51.1
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5	REQUIRES	51.1
5	REQUIRING	51.1
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5	SUPPLE	51.1
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5	SUPPORTED	51.6
5	SUPPORTS	51.1
5	SURROUNDING	51.1
5	TOTAL	51.1
5	TOWARD	51.2
5	TOWARDS	51.1
5	VEAY	51.1
5	VEAL	51.1
5	VEHICLE	51.2
5	VEY	51.1
5	VIEW	51.4
5	WARNING	51.5
5	WASH	51.3
5	WATCH	51.2
5	WICE	51.4
5	WIDENED	51.1
5	WIDTH	51.2
5	WIPE	51.8
5	WITHIN	51.10
5	WUD	51.11
5	WUDEN	51.11

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DATE 03289 2344 PA. 16

MS. WORD LIST BY PA.

5	WOODS	51.1
5	WORKER'S	51.4
5	WORKING	51.12

HEADQUARTERS

DATA CONTROL NUMBER

Job No/ Proj No

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651



SIC

175

ASG

51C SKILL 1

WORDS FREQUENCY DISTRIBUTION

644 UNIQUE ITEMS

3,162 RECORDS

1	J 12-439
1	A
1	ABLE
307	
1	ABUT
11	ABOVE
1	ABRA-J
1	ABRASIVE
1	ACCESS
2	ACASSURIES
1	ACCIDENTAL
1	ACCURANCE
1	ACCORDING
3	ACCOUNTABILITY
1	ACCURACY
1	ACID
2	ACROSS
1	ACT
1	ADAPTOR
3	ADJUST
2	ADJUSTABLE
2	ADJUSTMENT
3	AFTER
1	AFTER-OPERATION
2	AGAINST
1	AGE
3	AL-J
1	AL-JAYS
1	ALI
1	ALINE
2	ALINED
1	ALKA-J
39	ALL
3	ALLOW
2	ALLOWING
2	ALLIANS
1	ALMOST
12	ALONG
8	ALSO
1	ALTER
2	ALTERNATE
1	ALTERNATELY
2	ALTERNATING
10	ALWAYS

3	INIL
3	INIL
22	AND
33	AND
1	ANGLE
11	ANGLE
3	ANOTHER
2	ANVIL
1	ANVIL-LIKE
11	ANY
1	AP-J
1	APART
2	APCAPS
2	APPLIED
20	APPLY
1	APPROACHING
1	APPROPRIATE
3	APPROVED
1	APPROX-J
2	ARC
66	ARE
4	AREA
2	AREAS
1	ARMS
13	AROUND
1	ARFANGED
1	ARRESTOR
19	AS
1	ASSEMBLIES
4	ASSEMBLY
1	ASSUME
43	AT
1	AT-J
3	ATTACH
2	ATTACHMENT
2	ATTACHMENTS
1	ATTEMPT
1	ATTEMPT-J
3	AVLY
1	AWHILE
47	0
40	FLAPDC
17	FLANES
1	BLACK

1 BLADE
1 BLINDS
0 BLOCK
2 BLOCKPIN
3 BLOCKS

1 BLUNT
1 BLUNT
7 BRACE
1 BRACED

5 BRACING
2 BRAKE
1 BREAKAGE
1 BREAKER
1 BREAKING

1 BREAKS
1 BREAKS/CRACKS
4 BREAST
3 BRING
15 BROKEN

5 BRUSH
38 C
1 CREEK
2 CHAFFING
51 CHAIN

1 CHAINS
6 CHAINSAW
1 CHAINSAWS
1 CHARGE
1 CHARGING

20 CHAP
2 CHARACTERISTICS
19 CHECK
1 CHECKING
1 CHECKS

1 CHECKS/SERVICES
2 CHEMICALS
1 CHEST
1 CHIEF
1 CHIPS

1 CHISEL
1 CHISEL-LIKE
3 CHISELS
2 CHLORIDE
1 CHUCK

1	CHOPPING
1	CHIRDS
23	CLAP
4	CLAMPING
6	CLAMPS
21	CLEAN
1	CLEANED
3	CLEANING
5	CLEAR
2	ELECTRIC
1	CLIMB
1	CLIMBING
1	CLINCH
1	CLIPS
1	CLOG- J.
1	CLOGGED
3	CLOSE
1	CLOSED
18	CLOTH
1	CLOTHES
2	CLOTHING
2	CRACKED
5	CRACKS
1	CRANK
1	CREWS
1	CROSS- J
17	CROSSCUT
1	CROSSCUT- J
1	CROSSCUTTING
1	CROWN
1	CRUMBAR
1	CROWBARS
21	0
2	DRAG
2	DRAIN
1	DRAW
1	DRAWH
1	DRES- J
3	DRESS
1	DRESSED
1	DRESSER
6	DRILL
11	DRIVE
8	DRIVE-SLIP
3	DRIVER

1	DRIVING
3	DROPS
3	DRUM
10	DRY
3	DS
16	E
30	EDGE
8	EDGES
2	EFFECT
1	EFFI- J
1	EFFICIENT
1	EFFORT
3	ELKUM
6	ELECTRIC
1	EMULDED
2	EMERGENCY
6	EMERY
22	END
16	ENDS
6	ENGINE
12	ENGINEER
1	ENGINES
3	ENOUGH
2	ENTIRE
1	ERECTED
1	ESSENTIAL
11	F
1	FLAME
4	FLANGE
12	FLAT
1	FLATTENED
1	FLEXIBLE
1	FLIP
4	FLOOR
2	FLOW
2	FLUSH
1	FLUX
90	FM
4	FRAME
1	FRAMED
1	FRAMES
2	FRAMEWORK
2	PROVED
1	PLAYING
9	FREE

2	PREELY
1	FREQUENCY
2	FREQUENTLY
62	FRUM
1	FRUN
4	FRONT
1	FRONT
2	FRONT
2	GLUVES
1	GRAN
2	GRADE
1	GRADUALLY
1	GRAVITY
14	GREASE
1	GREATER
7	GRIND
6	GRINDER
1	GRINDERS
4	GRINDING
6	GRIP
2	GRIPS
1	GRIT
2	GROOVE
1	GROOVE-TYPE
7	GROUVED
4	GROOVING
10	GROUND
3	GS
9	H
2	HCL
5	I
2	IDENTIFIED
6	IDENTIFY
1	IDLE
25	IF
1	ILL-FITTING
1	IM-J
1	IMMEDIATELY
5	IMPORTANT
119	IN
2	IN-J
27	INCH
17	INCHES
1	INCLINED
2	INCLUDE

3	INCLUDING
1	INCOMING
2	INDICATE
1	INDICATED
1	INDICATING
1	INEFFICIENT
9	ING
1	IN
2	INJURY
2	INFER
9	INSERT
2	INSERTED
1	INSIDE
10	INSPECT
2	INSPECTION
0	INSTALL
1	INSTALLATION
0	INSTALLED
1	INSTALLING
1	INSTEAD
1	INSTRUCTIONS
1	INSULATION
4	INSURE
1	INSURES
1	INTAKE
1	INTERFERE
1	INTERIOR
19	INTL
1	INVENTORY
1	INVERT
7	IRON
07	IS
03	IT
03	ITEM
7	ITS
1	ITSELF
4	J
2	K
2	KNEE
1	KNEE-BRACE
1	KNEE-BRACES
1	KNEEBRACE
1	KNOCKDOWN
2	KNOCK
1	L

2	LD
1	INSULATION
1	M
1	N
1	NECESSARY
1	O
2	OBJECT
1	OBJECTS
3	OBSERVE
3	OBSERVED
1	OBSTACLES
1	OBSTRUCTIONS
1	OCCA-J
4	OCCASIONALLY
1	OCCUPY
308	OF-
16	OFF
1	OFTEN
1	OLD
77	ON
1	ON-OFF
19	ONE
7	ONLY
1	OP- JERATION
3	OPEN
1	OPEN-END
1	OPENINGS
1	OPENS
3	OPERATE
8	OPERATING
6	OPERATION
4	OPERATOR
1	OPERATOR'S
2	OPPOSITE
117	OR
1	ORDER
9	ORGANIZATIONAL
2	ORIGI-J
9	ORIGINAL
26	OTHER
3	OTHERWISE
1	OWN
14	P
38	PLACE
1	PLACED

5	PLANE
2	PLANES
6	PLATE
1	PLAY
1	PLED
5	PLUG
2	PLUGS
2	PLUNGER
1	PLY
2	PLYWOOD
1	PNEUMATIC
9	PP
2	PRECAUTIONS
2	PRECEDING
1	PREFAR- J
2	PREFABRICATED
1	PREMIXED
1	PREPAPE
1	PREPARED
1	PRES- J
2	PRESERVED
2	PRESET
3	PRESS
1	PRESSED
5	PRESSURE
3	PREVENT
2	PREVENTS
1	PREVILTS
1	PRICKED
1	PROCEDURE
1	PROCEDURES
1	PROCEED
1	PRODUCE
1	PROFILE
1	PROJECTED
1	PROLONGED
3	PRONGS
10	PROPER
4	PROPERLY
2	PROTECT
2	PROTECTED
3	PROVIDED
1	Q
1	R
2	RPM

9	SCALES
1	SCRAPER
3	SCRAPING
1	SCRATCH-ALL
1	SCRATCHES
1	SCREW
4	SCREW-TYPE
1	SCREWDRIVER
4	SCREWS
3	SCRIBE
1	SHALLOW
7	SHAPE
4	SHAPED
1	SHAPES
2	SHAPING
3	SHARP
8	SHARPEN
1	SHARPENED
5	SHARPENED
9	SHARPENING
1	SHARPNESS
1	SHEATHING
1	SHEAVE
6	SHEAVES
67	SHEET
1	SHEETS
2	SHELL
1	SHIFTER
4	SHORT
3	SHOOTER
11	SHOULDER
1	SHOUT
1	SHOVEL
2	SHOVELS
4	SHOWN
6	SHUT
2	SHUTOFF
2	SKELETON
2	SKIP
1	SKIPPED
1	SLACK
1	SLACKEN
1	SLAT
2	SLEDGES

9	SLEEVE
1	SLEEVES
3	SLIDE
9	SLIGHTLY
9	SLIP
1	SLIPPED
1	SLIPPING
2	SLOPE
3	SLUT
1	SLUAS
0	SMALL
2	SMALLER
1	SMOKE
1	SMOKES
4	SMUTH
1	SNAP
2	SNATCH
2	SINGLY
2	SPACED
1	SPARKREL
1	SPECI- J
4	SPECIAL
1	SPECIFICALLY
1	SPECIFIED
5	SPEED
2	SPIKE
1	SPINER
1	SPIRAL
3	SPLICING
2	SPLIT
3	SPLIT-LEAK
2	SPOOL
1	SPOON
1	SPOY
2	SPOTS
3	SPREAD
3	SPRING
1	SPRUNG
1	STAG- J
1	STAGE
2	STAMPED
1	STANCE
1	STAND
4	STANDARD
21	STANDARDS

1	STANDING
7	START
1	STARTER
2	STARTING
1	STARTINGS
2	STARTS
3	STAFF
1	STAIR
1	STAVES
1	STAY
1	STEADY
1	STEAMING
1	STEEL
3	STEEL-BOLTED
1	STEEL-FRAMED
1	STEELROOL
1	STEPS
1	STICK
1	STICKING
3	STIRRUP
1	STIRRUPS
1	STITCHING
1	STOCK
2	STONE
5	STOP
1	STOPPED
5	STOPS
1	STOR--J
0	STORAGE
9	STOCKE
3	STORING
1	STRADDLE
1	STRADDLES
3	STRAIGHT
1	STRAIN
1	STRAINERS
2	STRAND
2	STRANDS
2	STRENGTH
1	STRENGTHEN
4	STRETCH
1	STRINE
1	STRINKING
2	STRIP
4	STROKE

1 STROKE--00
6 STARKES
1 STRUCTED
1 STRUCTIOMS
4 STRUCTURAL

2 STRUCTURE
1 STRUCTURED
1 STRUCTURES
3 STPUT
2 STUB

1 STUMPING
1 STURDY
1 SWAP
2 SWAGED
2 SWAGING

1 SWAY--J
1 SWAVE
4 SWITCH
1 SWIVEL
8 THAN

32 THAT
1 THAINED
1 THC
BCO THK
9 THEIR

8 THEM
7 THEN
1 THEORY
3 THPE
8 THESE

18 THEY
1 THIEF
12 THIN
1 THIRO
33 THIS

1 THOROUGHLY
2 THOROUGHLY
1 THUSE
1 THUPADS
5 THREE

1 THREE-FACED
14 THROUGH
1 THROUGHOUT
8 THP-1
2 THC-1B

20	TM	
1	TRACING	
1	TRACK	
1	TRAILER	
1	TRAPS	
1	TREATED	
11	TREE	
1	TRIANGULAR	
1	TRIGGER	
3	TRIM	
2	TROOPS	
1	TROUGH	
2	TRUCK	
1	TRUSS	
5	TRUSSES	
1	TRY	
30	TWO	
3	UNDER	
1	UNDERCRUCKING	
1	UNDERCUT	
1	UNDERGOING	
1	UNDESIRABLE	
1	UNFIELD	
1	UNHEARD	
2	UNIFORM	
3	UNIFORMLY	
1	UNITS	
1	UNLESS	
1	UNPLUG	
1	UNPROTECTED	
1	UNSAFE	
1	UNSATISFACTORY	
2	UNSET	
15	UNTIL	
1	UNTWIST	
1	UNUSED	
14	UP	
1	UPON	
2	UPPER	
1	UPSIDE	
2	UPWARD	
32	USE	
1	USE - J	
19	USE - K	
1	USES	

4	USING	
3	USUALLY	
1	UTILITIES	
11	WHEEL	
35	WHEEL	
4	WHERE	
2	WHETHER	
10	WHICH	
8	WILL	
6	WRAP	
2	WRECKING	
6	WRENCH	
5	WRENCHES	
3	X	

WORD FREQUENCY DISTRIBUTION
FREQUENCY/WORD

FREQUENCY/WORD

FREQUENCY/LUND

004 THE	304 UF	307 A	303 AND
119 IN	117 DR	90 PH	87 IS
177 ON	67 SHEET	66 ARE	63 IT
62 AT	59 ALL	51 CHAIN	47 B
43 FROM	40 BLADE	38 C	38 PLACE
35 WHEEL	34 USING	33 THIS	32 THAT
32 USE	31 ANGLE	30 EDGE	30 TWO
24 APPLY	27 HIGH	26 OTHER	26 TH
29 IF	23 CLAMP	22 ALL	22 END
21 CLEAN	21 D	21 STANDARDS	20 CHAP
19 AS	19 CHECK	19 INTO	19 ONE
19 USED	18 CLOTH	18 INSPECT	18 THEY
17 BLADES	17 CROSSCUT	17 INCHES	16 E
16 EIDS	16 OFF	15 BROKEN	15 UNTIL
14 GREASE	14 P	14 THROUGH	14 UP
13 AROUND	12 ALONG	12 ENGINEER	12 FLAT
12 THIN	11 ABOUT	11 ANY	11 DRIVE
11 F	11 SHOULD	11 STEEL	11 TREE
11 WHEEL	10 ALWAYS	10 DRY	10 GROUND
10 PROPER	10 WHICH	9 AGAINST	9 FREE
9 C	9 H	9 ORGANIZATIONAL	9 ORIGINAL
9 PP	9 SHARPENING	9 STORE	9 THEIR
9 ALSO	8 BLOCK	8 DRIVE-SLIP	8 EDGES
8 ELECTRIC	8 ING	8 INSIDE	8 INSTALL
8 INSTALLED	8 OPERATING	8 SHARPEN	8 STORAGE
8 THAT	8 THEM	8 THESE	8 THRU
8 WHILE	7 BRACE	7 GRIND	7 GROOVED
7 IPON	7 ITS	7 DILY	7 SHAPE
7 STAY	7 THEM	6 CHAINSAW	6 CLAMPS
6 DRILL	6 EMERY	6 ENGINE	6 GRINDER
6 GRIP	6 IDENTIFY	6 OPERATION	6 PLATE
6 SPEAKERS	6 SHUT	6 SMALL	6 STROKES
6 WRAP	6 WRENCH	5 ABOVE	5 ALLOW
5 BRACING	5 BRUSH	5 CLEAR	5 CLOSE
5 CRACKS	5 ENOUGH	5 I	5 IMPORTANT
5 1:51 AT	5 OBSERVE	5 PLANE	5 PLUG
5 PRESSURE	5 SHARPENED	5 SLEEVE	5 SLIGHTLY
5 SLIP	5 SPEED	5 STOP	5 STOPS
5 TRIPLE	5 TRUSSES	4 AREA	4 ASSEMBLY
4 BPEAST	4 CLAMPING	4 FLANGE	4 FLOUR
4 FRAME	4 FRONT	4 GRINDING	4 GROOVING
4 1:5 RE	4 J	4 OCCASIONALLY	4 OPERATER
4 PROPERLY	4 S	4 SCREW	4 SCREWS
4 SPANED	4 SHORT	4 SQUIN	4 SMOOTH
4 SPECIAL	4 STANDARD	4 STRETCH	4 STROKE
4 STRUCTURAL	4 SWITCH	4 WHERE	4 WRENCHES
3 ACCOUNTABILITY	3 ADJUST	3 AFTER	3 AL-J
3 ADJUST	3 ANGLES	3 ANOTHER	3 APPROVED
3 ATTACH	3 AWAY	3 BLOCKS	3 BRING
3 CHISELS	3 CLEANING	3 PRESS	3 DRIVEN

WORD FREQUENCY DISTRIBUTION
FREQUENCY/WORD

FREQUENCY/WORD

3	DROPS	3	DRUM	3	DS	3	ELBOW
3	GS	3	INCLUDING	3	ITE1	3	OBSERVED
3	OPEN	3	OPERATE	3	OTHERWISE	3	PRESS
3	PREVENT	3	PRONGS	3	PROVIDED	3	SCRAPER
3	SCREWE	3	SHARP	3	SHORTER	3	SLIDE
3	SLOT	3	SPLICING	3	SPLIT-LEAF	3	SPREAD
3	SPRING	3	STATION	3	STEEL-BOLTED	3	STIRRUP
3	STUNING	3	STRAIGHT	3	STRUT	3	THERE
3	TRIANGULAR	3	TRAIN	3	UGLIER	3	UNIFORMLY
3	CELLULAR	3	X	3	UNIFORM	3	UNIFORMLY
2	ADJUSTABLE	2	ADJUSTMENT	2	ACCESSORIES	2	ACROSS
2	ALLIANCE	2	ALTERNATE	2	ALIGNED	2	ALLOWING
2	ALVIL	2	APPEARS	2	ALTERNATING	2	AMMUNITION
2	AREAS	2	ATTACHMENT	2	APPLIED	2	ARC
2	BRAKE	2	CHAFING	2	ATTACHMENTS	2	BLOCKPIN
2	CALIBRE	2	ELECTRIC	2	CHARACTERISTICS	2	CHEMICALS
2	DRAIN	2	FLOW	2	CLUTCHING	2	CRACKED
2	ENTIRE	2	FREELY	2	EFFECT	2	EMERGENCY
2	FRAYED	2	GRIPS	2	FLUSH	2	FRAMENBERG
2	GRAB	2	INNER	2	GALVE	2	GLOVES
2	IDENTIFIED	2	KNIFE	2	INCLUDE	2	HEL
2	INLAY	2	KNEE	2	INSERTED	2	INDICATE
2	K	2	OPPOSITE	2	KNOCK	2	INSPECTION
2	OBJECT	2	PLUNGER	2	KNIFE	2	LB
2	PLUGS	2	PREFABRICATED	2	ORIGIN-J	2	PLANES
2	PRECEDING	2	PROTECT	2	PLYWOOD	2	PRECAUTIONS
2	PREVENTS	2	SHELL	2	PRESERVED	2	PRESET
2	SHAVING	2	SKIP	2	PROTECTED	2	MPH
2	SKELETON	2	SLAT	2	SHOVELS	2	SHUTOFF
2	SPALLER	2	SPLIT	2	SLEDGES	2	SLOPE
2	SPINE	2	STARTING	2	SPURLY	2	SPACE
2	STAMPED	2	STRANDS	2	SPILL	2	SPTS
2	STRUCTURE	2	STRUT	2	STATS	2	STONE
2	SWAGING	2	THOROUGHLY	2	STRENGTH	2	STRIP
2	TRUNK	2	UNIFORM	2	STUDY	2	SWAGED
2	UPWARD	2	WHETHER	2	THUMB	2	TROOPS
1	J 12-439	1	ACCESS	2	UNSET	2	UPPER
1	ARM-SIVE	1	ACCURACY	2	WRECKING	1	ABRA-J
1	ACCORDING	1	AFTER-OPERATION	1	ARLE	1	ACCORDANCE
1	ADAPTER	1	ALINE	1	ACCIDENTAL	1	ACT
1	ALT	1	ALTERNATELY	1	AGE	1	AL-JWAYS
1	AP-J	1	APART	1	ALKS-J	1	ALMOST
1	APPROX1-J	1	ARMS	1	ANGLE	1	ANVIL-LIKE
1	ASSEMBLIES	1	ASSUME	1	APPROACHING	1	APPROPRIATE
1	ATTEMPT-J	1	AWHILE	1	ARRANGED	1	ARRESTOR
1	BLINDS	1	BLOW	1	AT-J	1	ATTEMPT
1	BRALED	1	BLEAKAGE	1	BLANK	1	BLADE
1	BREAKS	1	BREAKS/CRACKS	1	BLUNT	1	BLUNTED
				1	BREKER	1	BREAKING
				1	CHECK	1	CHAINS

FREQUENCY/WORD

WORD FREQUENCY DISTRIBUTION

FREQUENCY/WORD

FREQUENCY/WORD

FREQUENCY/WORD

1	CHAINSAWS	1	CHANGE	1	CHANGING	1	CHECKING
1	CHESTS	1	CHEKS/SERVICES	1	CHEST	1	CHIME
1	CHILLS	1	CHISEL	1	CHISEL-LIKE	1	CHOKER
1	CHIPPING	1	CHORDS	1	CLEANED	1	CLIMB
1	CLIPPING	1	CLINCH	1	CLIPS	1	CLOG-J
1	CLOTHED	1	CLOSED	1	CLOTHES	1	CLOCK
1	CLOCKS	1	CROSS-J	1	CROSSCUT-J	1	CROSSCUTTING
1	COLD	1	CROWBAR	1	CROWBARS	1	DRAW
1	DRAIN	1	DRESS-J	1	DRESSED	1	DRESSER
1	DRILLING	1	EFFI-J	1	EFFICIENT	1	EFFORT
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1	FLAME	1	FRAMED	1	FLEXIBLE	1	FLIP
1	FLUX	1	FROM	1	FRAMES	1	FRAYING
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1	IM-J	1	IMMEDIATELY	1	INCLINED	1	ING
1	INDICATED	1	INDICATING	1	INEFFICIENT	1	INGS
1	INSTALLATION	1	INSTANT	1	INSTEAD	1	INSTRUCTIONS
1	ISOLATION	1	ISOLATES	1	INTAKE	1	INTERFERE
1	INTERIOR	1	INVENTORY	1	INVERT	1	ITSELF
1	KNEE-BRACE	1	KNEE-BRACES	1	KNEEBRACE	1	KNOCKDOWN
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1	SPURV	1	SPOT	1	SPRING	1	STAG-J
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1	STRUCTURES
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1	THEIRY
1	THOSE
1	TWING
1	TWO
1	AND
1	UNABLE
1	STILL
1	UNASSISTED
1	FACTORY
1	USE

FREQUENCY/WORD

STUMPING
SUIVEL
THIEF
THREADS
TRACK
TRIGGER
UNDERBUCKING
UNFIELD
UNPLUG
UNTWIST
USE- J

WORD FREQUENCY DISTRIBUTION
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1	1	TRIPED
1	1	TRIPLE-FACED
1	1	TRAILER
1	1	TROUGH
1	1	UNDERCUT
1	1	UNDERWARD
1	1	UNPROTECTED
1	1	UNUSED
1	1	USES

DATE 00202 2017 PAGE
FREQUENCY/HORO

1 SHAY- J
1 TMC
1 THOROUGHLY
1 THROUGHOUT
1 TRAPS
1 TRUSS
1 UNDERGOING
1 UNITS
1 UNSAFE
1 UPON
1 UTILITIES

HEADQUARTERS

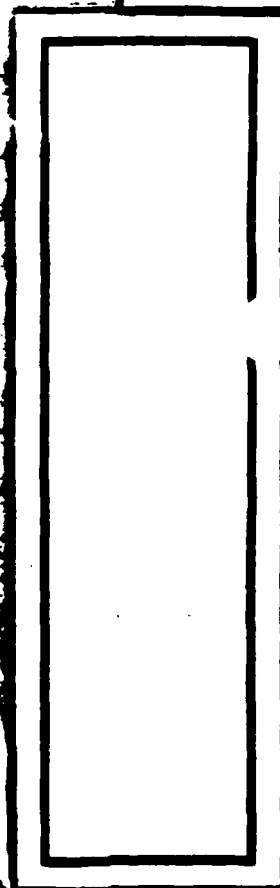
UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

DATA CONTROL NUMBER

Job No / Proj No

51C-2



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1	CORRECT
2	CORRECTLY
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1	COURN
1	COUPLING
1	COVER
1	CULVERT
1	CURVES
1	CUT
1	CYLINDRICAL
1	DAMAGE
1	DANGEROUS
1	DAY
1	DEEP
1	DEGREE
2	DESIRE
1	DETAIL
1	DETAILED
1	DETERMINE
3	DETERMINE
1	DEVELOP
1	DEVICE
2	DIAMETER
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1	DISCHARGE
1	DISTANCE
1	DISTRIBUTING
1	DOCK
1	DOWN
1	DOZER
1	DOZERS
1	DUCT
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1	EARTH
2	EQUIPMENT
1	EVERY
1	EXCEED
2	EXISTING
2	EXPEDIENT

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FILE
FILL-DISCARGE
FILL
PIPE

F135T

FIT

3113

04 407 703

911437734

For

1

FOIA(b)(7)(D)

2. 2000

Q. 10. What is the difference between a *trans* and a *cis* isomer?

33

625

SP-1

Living

0000

11:40 AM

214-5-111

1. A. 300

1748-4A-414

NAME:

Mill

37:36

200

**With
Miles**

3M1735.74:

SASJH

¡JFC?

WIKS

Case = 7

Friday

087

L.1A

LAY

LOADING

25-37

11

1 LIFT
2 LIFTING
3 LIVELY
4 LIFE
5 LIST

1 LISTED
2 LO'D
3 LOADED
4 LOADER
5 LOADERS

2 LOWER
1 LOWERING
2 LOSE
3 MAKE
4 MAN

1 MAP
2 MARK
3 MAP

2 MATERIAL

1 MATERIALS
2 MEASURES
3 MEET

3 MEETERS

1 METAL
2 METAL-TYPE
3 METERS
4 METHODS

1 MILE
2 MILITARY
3 MILITARY
4 MILE
5 MORE

1 MOVEMENT
2 MOVES
3 MULE
4 MUST
5 NAME

1	NECESSARY
1	NESTED
1	NEUT
1	NEUTRAL
3	NOT
10	NUMBER
1	OUT
1	OUTER
2	OUTSIDE
2	OVER
1	OVERFLOW
1	POINT
1	PAPER
1	PARALLEL
1	PART
1	PASSAGE
1	PATTERN
4	PATTERNS
1	PERFORMANCE
5	PETROLEUM
1	PIECE
1	PING
2	PINS
2	PICKUP
29	PIPE
5	PIPELINE
1	PURIFY
1	PLANT
1	POSSIBLE
1	PULL
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1	PULLING
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1	QUANTITY
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1	RAILROAD
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1	RATE
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1	REGULATIONS

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2	WITHIN
6	WORK
1	RO

HEADQUARTERS

DATA CONTROL NUMBER

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UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

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PAGE NO 2 TYPE CCRD BYTES

5 DETERM. 10
1 FORMING
1 LORXID
4 QUANTITY
2 RESITING
2 WENCH

TRA 00
TRA 00
TRA 00
TRA 00
TRA 00
TRA 00

MASTER READ 019
LRECL 32
BLKSIZE 3136

TRANS READ 147
LRECL 80
BLKSIZE 8000

UPDATED RECORDS 149
LRECL 32
BLKSIZE 9136

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Proj No

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

SEP - 5 1969



SIC SL2 ADD17

[illegible]

1	FLIED
1	FLING
1	FLINGS
1	PLUS
2	PLYWOOD
5	PP
1	PP9-35
1	RAFTER-J
2	REPARICATED
2	REPERED
2	PREVENT
1	PRIN-J
3	PROTECTIVE
1	PROVIDE
1	PROVILES
2	SCALE
1	SCAPE
1	SCAFFER
1	SHALLUM
1	SHAPED
1	SHAPES
1	SHARP
3	SHEET
1	SIFTING
1	SILLO
1	SILING
2	SILINGS
1	SILICER
1	SPANNING
0	STACKED
3	STANDARDS
1	STAY
1	STILL
1	STEPLADDER
1	STEEL
1	STICKS
1	STIFFES
1	STRIKED
1	STRIP
1	STRUCTURAL
1	STRUCTURE

[illegible]

FREQUENCY DISTRIBUTION
FREQUENCY/WORD

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11	PI	12	CR	11	IS
12	AI	10	USI G	9	A
13	CH	8	ELECTING	7	CHAP
14	TRUCK	6	CROSSING	6	IT
15	TRAT	5	C	5	CREN
16	SHEET	5	THRU	5	TH
17	ANGLE	4	AGE	4	D
18	FREE	4	IF	4	INTO
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47	THC	1	THEY	1	STRAIGHTEN
48	UNDERNEATH	1	UTIL	1	THREE
49		1		1	WHEN

Addit

HEADQUARTERS

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FORT MONROE, VIRGINIA 23651

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HEADQUARTERS

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

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APPENDIX 8

ENGLISH LANGUAGE STRUCTURES AND LEXICON

The following list is included as an addition to the structural and lexical list. These structures and lexical items are very basic.
(See Section II for discussion.)

LIST OF LEXICAL AND STRUCTURAL ITEMS FOR ENGLISH LANGUAGE STRUCTURES

Sentences:

- | | |
|------------------|-------------------------|
| A. Declarative | statement |
| B. Interrogative | question |
| | 1. wh- questions |
| | 2. tag questions |
| | 3. yes/no questions |
| C. Imperative | command, polite request |
| D. Exclamatory | exclamation |

Sentence Complexity:

- | | |
|---------------------|---|
| A. Simple | one full subject and predicate |
| B. Compound | two or more independent clauses joined by: |
| | 1. punctuation |
| | 2. punctuation and conjunctive adverb |
| | 3. coordinate conjunction |
| C. Complex | one or more dependent clauses and an independent clause |
| D. Compound-Complex | two or more independent clauses and one or more dependent clauses |

Verbs:

- | | |
|----------------------------|---|
| A. Concord | subject-verb agreement |
| B. Transitive | takes an object |
| C. Intransitive | doesn't take an object |
| D. Copula | to be |
| E. Linking | connectors |
| F. Auxiliaries of tense | will, do, did |
| G. Auxiliaries of modality | should, ought to, must to, have to, have got to, able to, can, may, might, could, would |
| H. Tense | present, past |
| I. Aspect | perfect, progressive |

Verbal Forms:

- | | |
|-----------------------|---------------|
| A. Present Participle | active voice |
| B. Past Participle | passive voice |

Voice:

- | | |
|------------------------|----------------------------|
| A. Active | subject does action |
| B. Passive | subject does not do action |
| 1. agent expressed | |
| 2. agent not expressed | |

Nouns:

- | | |
|---------------|-----------|
| A. Singular | man, pen |
| B. Plural | men, pens |
| C. Count | chairs |
| D. Mass | flour |
| E. Possessive | soldier's |
| F. Collective | fish |

Adjectives:

- | | |
|-----------------------------|---------------------------|
| A. Predicative | The tank is green. |
| B. Attributive | The green tank is moving. |
| C. Degrees of comparison | |
| 1. regular | big, bigger |
| 2. irregular | worse, worst |
| D. Ordinal/Cardinal Numbers | first, one |

Adverbs:

- | | |
|-------------------|-------------------------|
| A. Time/Frequency | immediately, today, ago |
| B. Place/Position | here, there, everywhere |
| C. Manner | maybe, possibly |
| D. Negative | no, never |
| E. Comparison of | nearest, harder |
| F. Degree | thoroughly, completely |

Articles:

- | | |
|---------------|-----------|
| A. Definite | a, the |
| B. Indefinite | any, some |

Pronouns:

- | | |
|------------------|---------------------|
| A. Personal | you |
| B. Demonstrative | that |
| C. Indefinite | anybody, both, each |
| D. Reflexive | himself, yourself |
| E. Cases of | I, me, my, mine |
| F. Relative | who, whom, whose |
| G. Interrogative | who, which, what |

Conjunctions:

- | | |
|-----------------------|------------------------------|
| A. Coordinating | and, but, or, nor |
| B. Subordinating | because, if, as, that, after |
| C. Correlative | either, or |
| D. Conjunctive adverb | therefore, furthermore |

Prepositions:

A. Simple

- | | |
|----------------------------------|------------|
| 1. place | on, in |
| 2. time | in, at, on |
| 3. direction/motion | to |
| 4. manner/agent/
instrument | by, with |
| 5. measurement/
number amount | of |

B. Compound:

according to, because of, by means

Vocabulary:

words from 1100 through 2400 -
Elementary and Intermediate Phase of General
English materials

Special Expressions/Idioms

"knock it off" "can it, buddy"

Verb Combinations

two word verbs